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A COMPENDIUM OF THEORETICAL ATMOSPHERIC TIDAL
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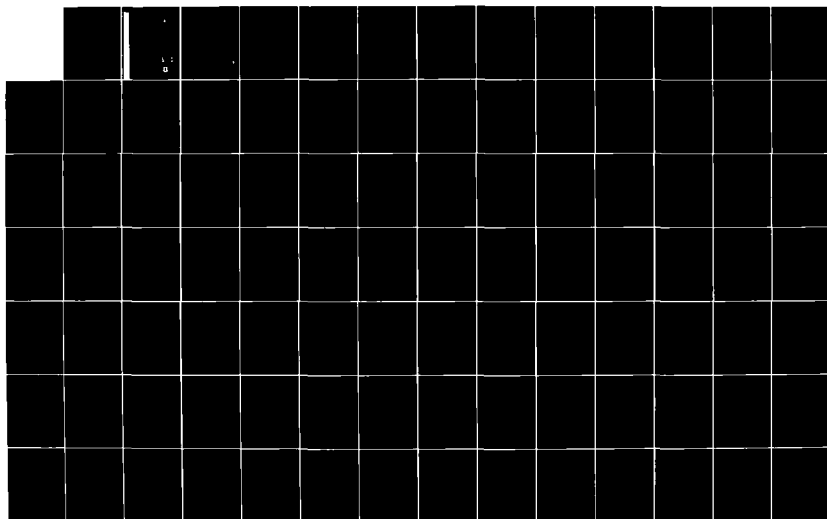
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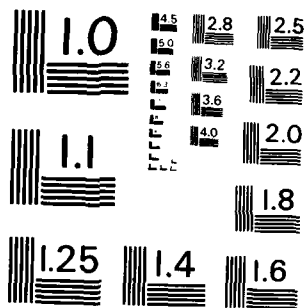
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AFGL-TR-82-0173(II)
ENVIRONMENTAL RESEARCH PAPERS, NO. 780(II)



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A Compendium of Theoretical Atmospheric Tidal Structures

Part II: Thermospheric Extensions of the Classical
Expansion Functions for Semidiurnal Tides

J. M. FORBES
M. E. HAGAN
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24 June 1982

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Alva T. Stair, Jr.
DR. ALVA T. STAIR, JR.
Chief Scientist

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER AFGL-TR-82-0173(N)	2. GOVT ACCESSION NO. AD-A125 725	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) A COMPENDIUM OF THEORETICAL ATMOSPHERIC TIDAL STRUCTURES PART II. THERMOSPHERIC EXTENSIONS OF THE CLASSICAL EXPANSION FUNCTIONS FOR SEMIDIURNAL TIDES		5. TYPE OF REPORT & PERIOD COVERED Scientific. Interim.
		6. PERFORMING ORG. REPORT NUMBER - ERP No. 780(II)
7. AUTHOR(s) J.M. Forbes* D.F. Gillette M.E. Hagan* E. DiCesare		8. CONTRACT OR GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS Air Force Geophysics Laboratory (LKB) Hanscom AFB Massachusetts 01731		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS 62101F 66900709
11. CONTROLLING OFFICE NAME AND ADDRESS Air Force Geophysics Laboratory (LKB) Hanscom AFB Massachusetts 01731		12. REPORT DATE 24 June 1982
		13. NUMBER OF PAGES 153
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		15. SECURITY CLASS. (of this report) Unclassified
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES * Department of Physics Boston College, Chestnut Hill, MA 02167		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Thermospheric tidal equations Thermospheric winds Thermospheric temperatures Semidiurnal tidal modes		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) -Solutions to the thermospheric tidal equations are described that define the extensions into the thermosphere of normalized wind and temperature structures associated with the (2,2), (2,3), (2,4), and (2,5) semidiurnal propagating tidal modes. The degree of alteration of vertical structures with latitude, and the change in horizontal shapes with height, corresponding to semidiurnal oscillations in northerly, westerly, and vertical velocity, and to temperature in the thermosphere are examined and implications to modeling the thermosphere are discussed. Extensive figures and tables covering the		

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80-400 km altitude region for five levels of solar activity at 6° latitude increments are provided for potential users. The structures can be used to extend meteor wind (80-100 km) and partial reflection drift (60-100 km) measurements to above 100 km for consistency checks with tidal winds and temperatures from Thomson scatter measurements at possibly different latitudes, or to simultaneously fit data covering these height regions for modeling purposes.

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Preface

This work was supported under Contract F19628-79-C-0088 from the U.S. Air Force Geophysics Laboratory to Boston College.

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A Compendium of Theoretical Atmospheric Tidal Structures

Part II: Thermospheric Extensions of the Classical Expansion Functions for Semidiurnal Tides

I. INTRODUCTION

Below approximately 100 km, in the absence of mean winds and meridional temperature gradients, the eigensolutions (Hough functions) of Laplace's tidal equation define the horizontal structures of atmospheric tidal modes, and the eigenvalues (equivalent depths) fix each mode's vertical structure for a given unperturbed temperature distribution. A set of analogous expansion functions, orthogonal with respect to a common weighting function, describes the latitude structures of the northerly and westerly velocity fields. Above 100 km the joint presence of molecular dissipation, rotation, and anisotropic ion drag in a spherical atmosphere render the corresponding perturbation tidal equations inseparable in their latitude and height dependence. As the atmospheric density decreases exponentially upwards and molecular dissipation assumes increasing importance, a transition occurs for an upward propagating tidal wave from exponentially increasing amplitudes to a constant or decreasing vertical amplitude. The transition height occurs approximately where the dissipative time scale equals the scale height divided by the vertical group velocity (Richmond¹). This damping is accompanied

(Received for publication 23 June 1982)

1. Richmond, A.D. (1975) Energy relations of atmospheric tides and their significance to approximate methods of solution for tides with dissipative forces, J. Atmos. Sci. 32:980-987.

by a change in the horizontal "modal structure" of the wave (which, however, is no longer an eigensolution of the system). Significant damping generally occurs within the 100-160 km height region, depending on vertical wave length. The short wave-length (less than about 30 km) diurnal propagating tides are strongly damped above 100 km, and due to their limited latitude extent and the fact that significant wave damping occurs below the level where damping and inertial time scales are comparable, do not undergo significant alterations in horizontal shape (Lindzen;² and Forbes and Garrett³). The thermospheric penetration of semidiurnal tides, whose vertical wave lengths generally exceed 40 km, is therefore of primary interest.

This report describes solutions to the thermospheric tidal equations that define extensions into the thermosphere of normalized wind and temperature structures associated with the (2, 2), (2, 3), (2, 4), and (2, 5) semidiurnal tidal modes. Here, we implicitly assume that each of these modes can be treated as distinct, even though the joint presence of mean winds and meridional temperature gradients in the thermosphere may excite them indirectly by "mode coupling", in addition to O_3 and H_2O insolation absorption at lower levels forcing them directly (see Lindzen and Hong⁴). Following the terminology adopted in previous studies (Hong and Lindzen;⁵ Lindzen, Hong, and Forbes⁶) we refer to the thermospheric temperature and velocity fields consistent with the conventionally defined mode as the "Hough Mode Extension" (HME) of that mode. The model used here is that described by Forbes^{7, 8} where the background winds and latitude variations in thermal structure and composition are set equal to zero and equinox conditions are assumed. A fictitious heat source located below 75 km and a lower boundary at the ground are assumed. The model is equivalent to the one that Lindzen, Hong, and Forbes⁶ used to calculate structures, and comparisons are briefly made with results from that study. Applications of the computed structures to studies of the dynamics of the mesosphere and thermosphere are discussed, as well as sources of error in the present treatment. Figures and tables covering the 80-400 km height region for five levels of solar activity at 6° latitude increments are provided in appendixes for potential users.

2. DESCRIPTION AND EVALUATION OF RESULTS

Westerly (u), northerly (v), and vertical velocities (w), and temperatures (δT) are calculated at 6° latitude increments from 80 to 400 km for five levels of solar activity corresponding to $T_{O_3} = 600, 800, 1000, 1200, \text{ and } 1400 \text{ K}$. Tables including

(Due to the large number of references cited above, they will not be listed here. See References, page 23.)

the complete set of normalized amplitude and phase structures for the (2, 2), (2, 3), (2, 4), and (2, 5) Hough Mode Extensions are given in Appendix B. The HME's are normalized to a temperature amplitude at 100 km of 1 K and phase of 0600 hours for the following latitudes:

<u>Mode</u>	<u>Normalizing Latitude</u>
(2, 2)	0°
(2, 3)	24°
(2, 4)	36°
(2, 5)	42°

It is important to note that for a given HME all amplitudes are arbitrary to within a single constant factor (appropriate to all fields at all altitudes and latitudes), while all phases are similarly arbitrary to within a single constant phase displacement.

In this brief narrative we examine westerly velocities for the (2, 4) HME in Figures 1-4, which illustrate the type of plots available in Appendix A for u , v , and δT of each HME. In addition, Figures 5-8 provide a comparison of vertical temperature structures for the four HME's considered. Figure 1 illustrates the differences in horizontal structures of amplitude (normalized to a maximum value of unity) and phase at 100, 150, and 300 km for $T_o = 1000$ K.

Normalizing factors (f_N) are given in the figure captions. As mentioned above, the raw amplitudes and phases are consistent with a temperature oscillation of $\delta T = 1$ K and phase of 0600 at 100 km and 36° latitude; however, they have been adjusted by f_N for plotting. Figure 2 similarly illustrates normalized horizontal amplitude and phase structures at a single height (300 km) corresponding to three levels of solar activity ($T_o = 600, 1000, 1400$ K; NS $\Sigma = 1, 3, 5$). Note that while the horizontal shape of the (2, 4) HME does not change appreciably with solar cycle, there does exist a substantial shift in phase and adjustment in amplitude (as indicated by the f_N 's).

As illustrated in Figures 3 and 4, vertical structures at several latitudes are provided over the 80-150 km and 100-300 km height ranges. Again, all amplitudes and phases are consistent with a temperature amplitude of 1 K and phase of 0600 hours at 100 km at the latitude specified above for each mode. Note that the vertical shapes and phases vary with latitude, illustrating the inseparability of the tidal equations above 100 km.

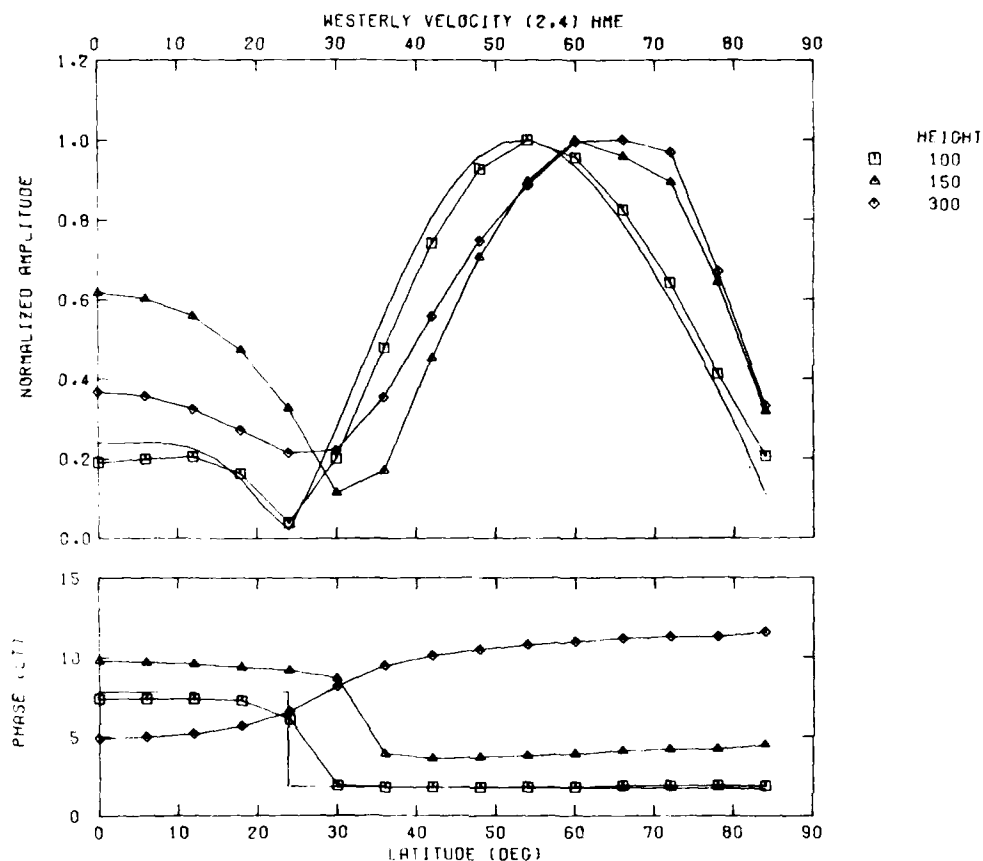


Figure 1. Normalized Westerly Velocity Amplitude and Phase of the (2, 4) Hough Mode Extension at 100, 150, and 300 km for $T_0 = 1000$ K With Normalizing Factors Equal to 2.98, 2.40, and 1.90, Respectively. Phases refer to local time of maximum amplitude

The vertical amplitude and phase structures for temperatures corresponding to the (2, 2), (2, 3), (2, 4), and (2, 5) HME's at various latitudes are illustrated in Figures 5-8. As expected, these four modes exhibit peak amplitude heights that occur progressively lower as the vertical wavelengths increase. It is interesting to compare Figures 4 and 7, and note that velocities tend to peak lower in altitude than temperatures. This behavior was noted by Forbes and Hagan⁹ in their equivalent gravity wave f-plane approximations to upward-propagating tides.

9. Forbes, J. M., and Hagan, M. E. (1979) Tides in the joint presence of friction and rotation: An f-plane approximation, *J. Geophys. Res.* 84:803-810.

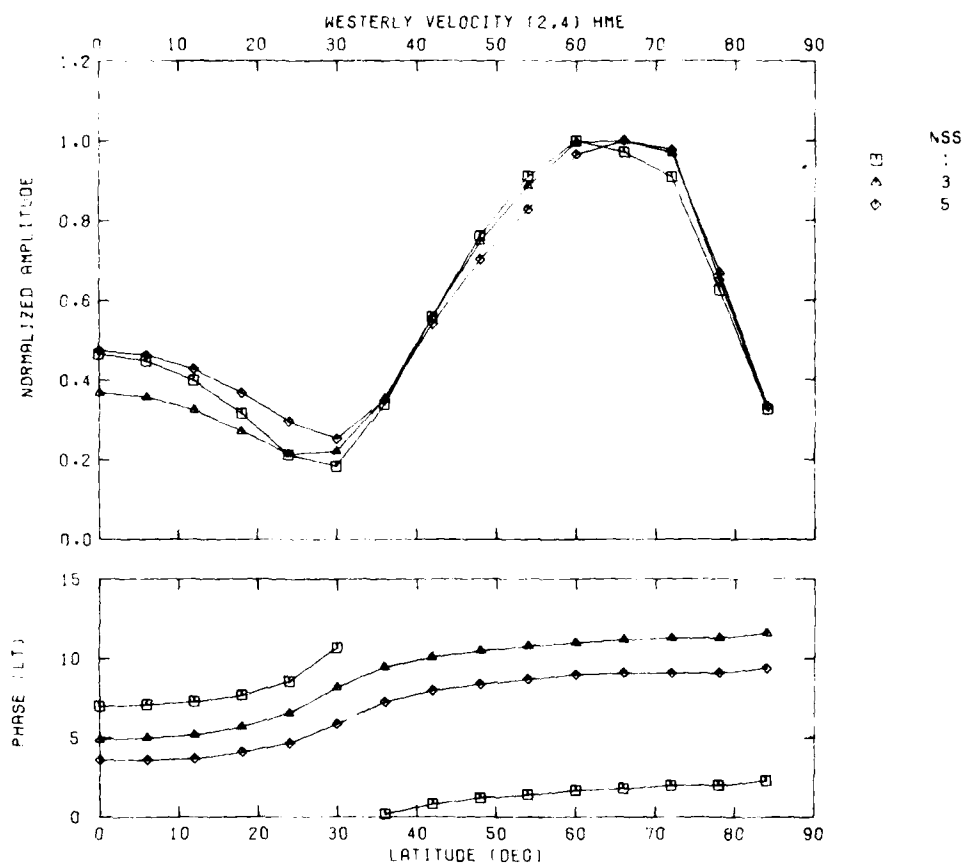


Figure 2. Normalized Westerly Velocity Amplitude and Phase of the (2,4) Hough Mode Extension for $T_O = 600$ K (NSS = 1), $T_O = 1000$ K (NSS = 3), and $T_O = 1400$ K (NSS = 5) With Normalizing Factors Equal to 3.54, 1.90, and 0.89, Respectively

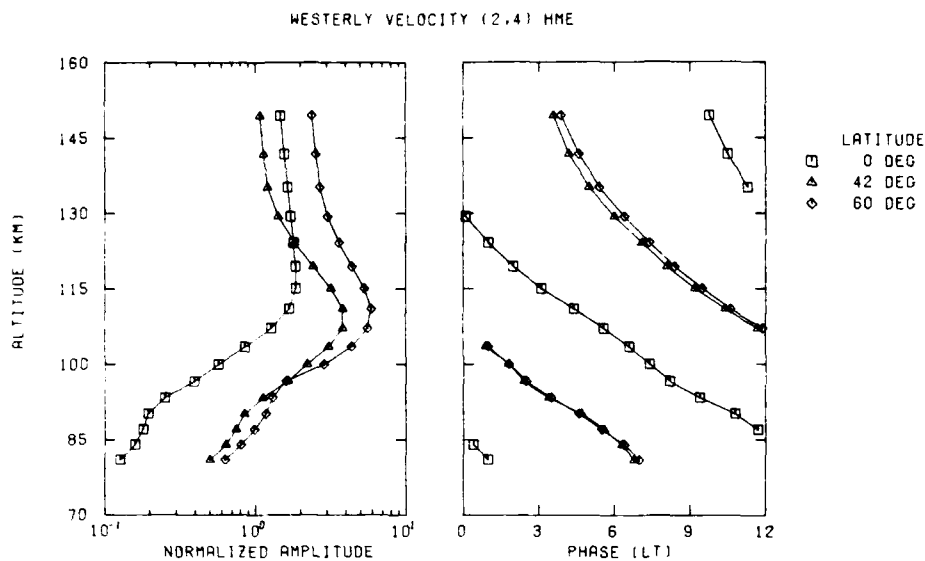


Figure 3. Normalized Westerly Velocity Amplitude and Phase Vertical Structures of the (2,4) Hough Mode Extension Between 80 and 150 km at 0, 42, and 60° Latitude for $T_0 = 1000$ K

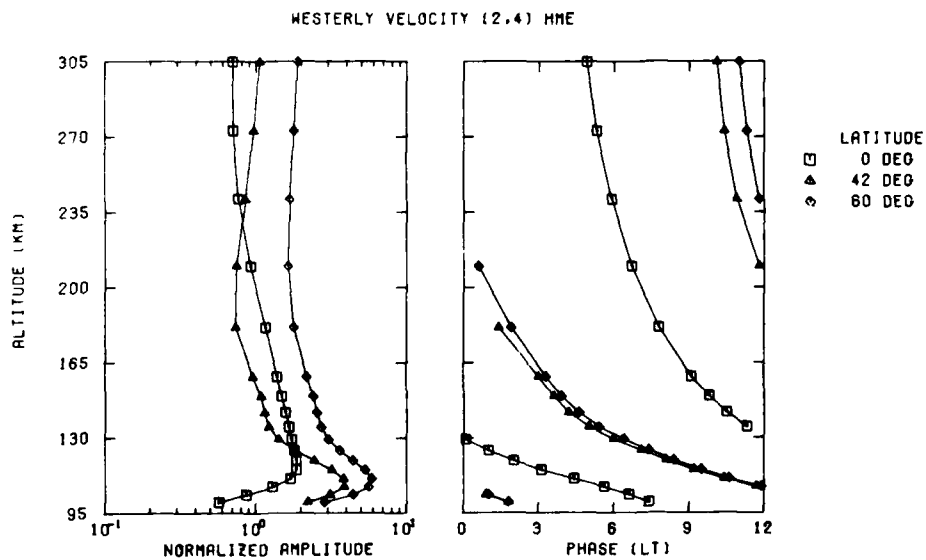


Figure 4. Normalized Westerly Velocity Amplitude and Phase Vertical Structures of the (2,4) Hough Mode Extension Between 100 and 300 km at 0, 42, and 60° Latitude for $T_0 = 1000$ K

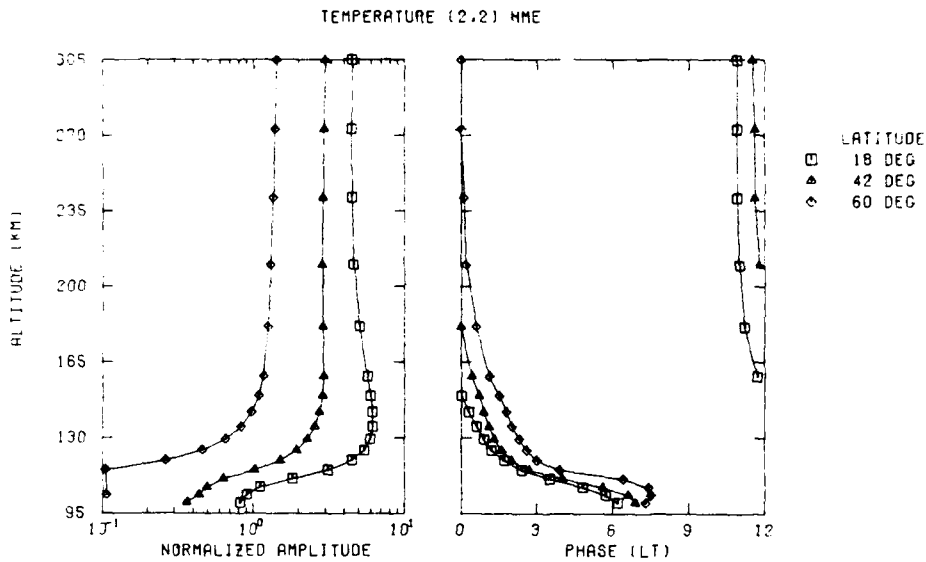


Figure 5. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2, 2) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for $T_0 = 1000$ K

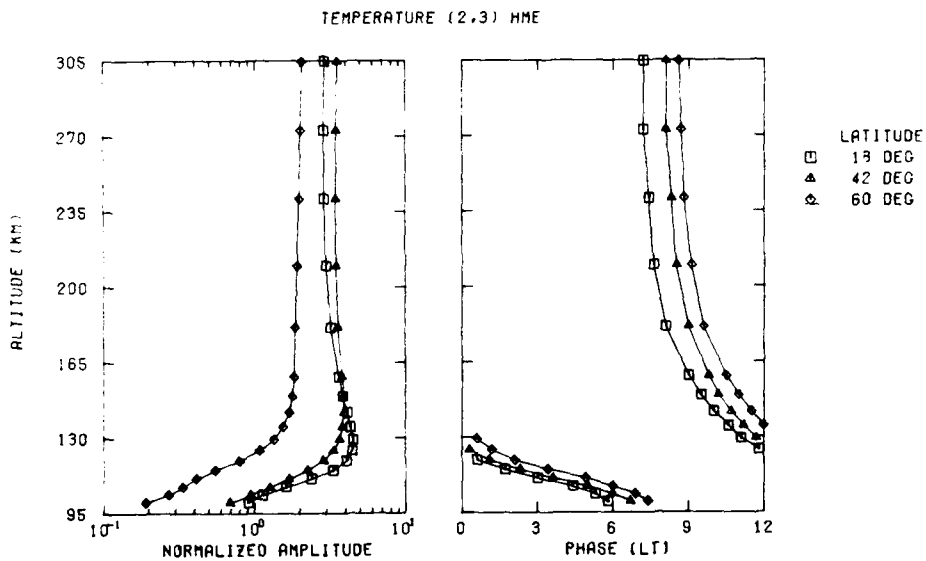


Figure 6. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2, 3) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for $T_0 = 1000$ K

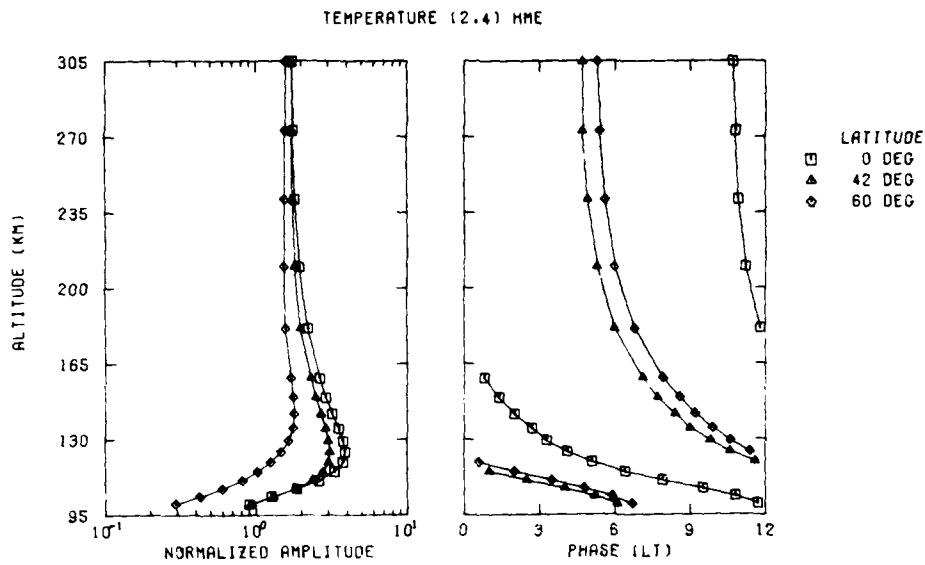


Figure 7. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2,4) Hough Mode Extension Between 100 and 300 km at 0, 42, and 60° Latitude for $T_0 = 1000$ K

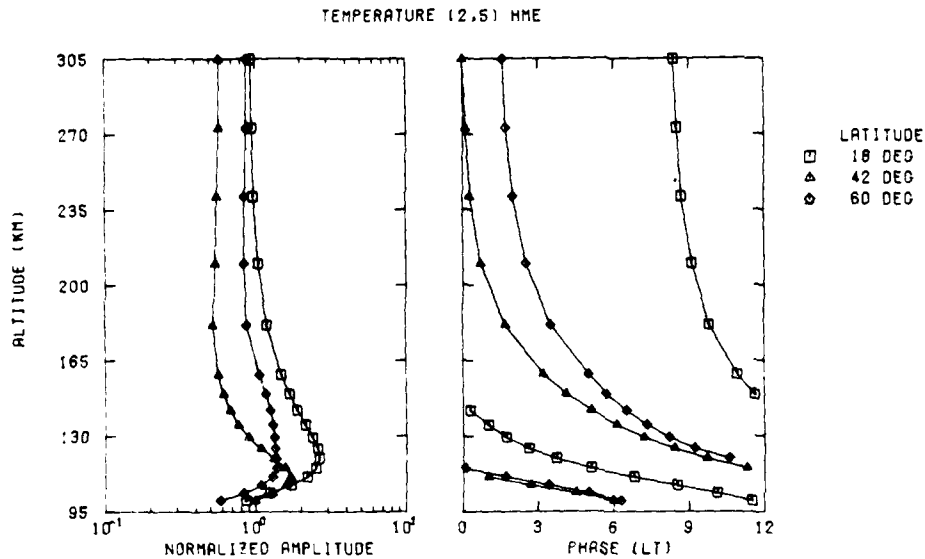


Figure 8. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2,5) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for $T_0 = 1000$ K

The solid lines in Figure 1 (and in all similar figures in Appendix A) correspond to the exact shape of the corresponding classical expansion function, and are provided to facilitate comparison with the calculated amplitude and phase curves at 100 km. In some cases measurable deviations in the computed horizontal amplitude shapes at 100 km from the "inviscid" classical expansion functions are noted. These differences are accompanied by a slight change in phase with latitude, and are more readily apparent in temperature than in the velocity fields. This is the most sensitive measure of how well the current solutions approximate those of Laplace's equation of classical tidal theory. The differences are due, in part, to numerical errors that tend to take the form of higher order modes that grow exponentially with height below 100 km. Convergence tests were performed which indicate errors of less than 10 percent in the computed fields. In addition, the present calculations assume profiles for the coefficients of eddy diffusion of heat and momentum which are asymptotic to values of $5 \times 10^5 \text{ cm}^2/\text{sec}$ in the upper mesosphere and lower thermosphere (about 80-100 km; see Forbes⁷). Thus the present model is nowhere truly "inviscid", and for sufficiently large dissipation some mode broadening in the horizontal shape will occur. Since we believe this to be a better approximation to reality, it is these "mode broadened" structures which are retained in the tables in the vicinity of 100 km. The above minor inconsistencies will assume little consequence in practice. The vertical extensions of winds will undoubtedly be used most often, and these appear to be most accurate. In addition, significant deviations in phase and errors in amplitude occur only where relative amplitudes are small; these pose little problem in practice. However, it is important for potential users to note these subtleties.

It is emphasized that the results published here must be utilized with care and an understanding of possible sources of error. This is especially true in the vicinity of nodal crossings, which tend to shift in latitude as a function of height. In addition, there are at least three mechanisms which could measurably modify the computed vertical and/or horizontal structures published here: First, Forbes and Hagan¹⁰ have utilized a binary gas (O-N₂) equivalent gravity wave f-plane simulation to show that the mutual diffusion of O and N₂ can cause reduction in the (2,2) and (2,4) amplitudes of order 30 percent (near the peak) and shifts in phase of up to 3 h at upper levels. However, their results represent only first-order estimates, and furthermore provide no information on modification of horizontal structures. Along a somewhat similar vein, Hines^{11,12} suggests that upward

10. Forbes, J.M., and Hagan, M.E. (1980) Tidal dynamics and composition variations in the thermosphere, J. Geophys. Res. 85:3401-3406.
11. Hines, C.O. (1977) Relaxational dissipation in atmospheric waves-I. Basic Formulation, Planet. Space Sci. 25:1045-1060.
12. Hines, C.O. (1977) Relaxational dissipation in atmospheric waves-II. Application to the Earth's upper atmosphere, Planet. Space Sci. 25:1061-1074.

propagating atmospheric waves and tides could be measurably attenuated by the relaxation of molecular thermal energy between translational and internal degrees of freedom of atmospheric molecules. Although electronic relaxation in O and vibrational relaxation in O₂ and N₂ appear capable of playing a significant role, reliable quantitative estimates are not yet possible due to uncertainties in the various governing parameters. Finally, the idea that feedback between the (2, 2) mode and the polarization electric field which it generates could result in a reduction in the associated neutral wind field has been put forth by Volland and Grellman.¹³ This mechanism requires additional quantitative modeling that avoids some of the assumptions made by these authors to obtain a mathematically tractable problem. For the present, inclusion of the above effects is currently precluded either by uncertainties in various parameters associated with these mechanisms, or by computer limitations.

There are several reasons for repeating the calculations of Lindzen, Hong, and Forbes.⁶ Primarily, Forbes^{7,8} adopts temperature, composition, molecular conductivity and viscosity, and ion drag parameters that are more realistic than those adopted by Hong and Lindzen⁵ and Lindzen, Hong, and Forbes,⁶ and which lead to measurable differences in their HME's above about 150 km. For instance, repeating their calculation of the (2, 2) HME excited by H₂O and O₃ insolation absorption, we obtain a (2, 2) temperature oscillation amplitude of 69 K at SSMIN ($T_0 = 800$ K) and 28 K at SSMAX ($T_0 = 1400$ K), in good agreement with their results. Incorporating the MSIS temperature profile and the $T^{2/3}$ dependence of molecular conductivity as recommended by Forbes and Garrett³ (as opposed to a $T^{1/2}$ dependence), reduces these amplitudes to approximately 45 K and 26 K, respectively. Addition of the ion drag parameterization of Forbes^{7,8} which represents the latitudinal and solar cycle variations of the ionosphere more realistically, changes these values to 26 K and 27 K, respectively, greatly reducing the effects of changing solar conditions. Thus, the significant increases in "mode broadening" with solar activity indicated by Hong and Lindzen⁵ and Lindzen, Hong, and Forbes⁶ are much reduced here. In addition, their results did not extend below 100 km, making it inconvenient for the large numbers of meteor radar and partial reflection drift experimenters to use their results. Finally, considerable accuracy could be lost in reading and/or interpolating the curves provided by Lindzen, Hong, and Forbes;⁶ Appendix B provides the data in tables spaced in 6° latitude increments making the present results very easy to use (conveniently, many of the observing stations likely to benefit from these data lie very close to 6° grid points in latitude).

13. Volland, H., and Grellman, L. (1978) A hydromagnetic dynamo of the atmosphere J. Geophys. Res. 83:3699-3708.

3. APPLICATIONS

The primary applications of this work lie in the areas of data analysis and interpretation, and upper atmosphere modeling. For instance, it would be of great value to experimenters to have the capability of performing consistency checks with other simultaneous tidal measurements. It is, of course, required that some idea of the specific mixture of modes be available. This can sometimes be obtained from a single station, but in general requires as many observatory records (preferably simultaneous) as there are tidal modes. To give a specific example, suppose that experimenters at Ramey (18° N), Atlanta (35° N), and Saskatoon (54° N) were able to satisfactorily decompose their measured semidiurnal tidal winds between 80 and 100 km into the (2,2), (2,4), and (2,5) tidal modes. (Note that e-w and n-s observations at a single station can be considered independent observations for purposes of tidal mode decomposition.) Application of the present HME structures would then allow consistency checks with semidiurnal temperature variations, for instance, measured at Arecibo (18° N) and Millstone Hill (42° N) above 100 km.

The above idea is suggestive of a hybrid observational/theoretical approach to upper atmosphere modeling which would primarily involve the calibration of theoretical structures using experimental data. Garrett and Forbes¹⁴ utilized such a technique to model the 100-300 km height regime. Consideration of the regime above about 130 km is most difficult, since one must also consider the effects of tides excited in-situ by EUV absorption. Development and application of the technique to semidiurnal temperatures measured between 100 and 130 km at Arecibo and Millstone are addressed in a forthcoming article by Forbes et al.¹⁵ Anticipated coordinated tidal observations using the meteor wind, partial reflection drift, and incoherent scatter radar techniques will provide the opportunity to further develop and test this modeling approach in the dynamically active and important height region between 80 and 130 km.

As discussed further by Forbes et al.,¹⁵ use of the present thermospheric extensions of classical semidiurnal expansion functions in the manner described above has the potential to contribute to at least three areas of thermospheric modeling: (1) specification of realistic lower boundary conditions for general circulation models of the thermosphere; (2) determination of the penetration of upward propagating tidal modes into the thermosphere and their relative contribution to the total semidiurnal variation above 200 km; and (3) evaluation of the importance

14. Garrett, H. B., and Forbes, J. M. (1978) Tidal structure of the thermosphere at equinox, J. Atmos. Terr. Phys. 40:657-668.

15. Forbes, J. M., Salamone, S. L., and Wand, R. H. (1982) A technique for global tidal analyses in the mesosphere and lower thermosphere, J. Geophys. Res. in press.

of tidal deposition of mean heat and momentum in the lower thermosphere, and parameterization of these sources for thermospheric general circulation models.

4. CONCLUDING REMARKS

The calculations presented in this report were prepared to meet an immediate demand by experimenters, data analysts, and theoreticians in the field, particularly those involved with cooperative global tidal observations during the 1982-1985 MAP period. Possible improvements along the lines of including the effects of O-N₂ diffusion (Forbes and Hagan¹⁰), relaxation of molecular thermal energy between translational and internal degrees of freedom (Hines^{11, 12}), and electrodynamic coupling (Volland and Grellman¹³), would not be impossible; but must be pursued with care due to the uncertainties involved, and hence may not be available in the near future. Indeed, Walterscheid,¹⁶ has suggested that a significant fraction of semidiurnal oscillations in the 80-100 km height region may not originate as freely-propagating modes excited by ozone insolation absorption in the upper stratosphere and lower thermosphere. He estimates that the tidal modulation of gravity wave/mean flow interactions may introduce a 12-hour periodicity to mesospheric winds. Clearly, the present theoretical results must be evaluated in practice.

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16. Walterscheid, R. L. (1981) Inertio-gravity wave induced accelerations of mean flows having an imposed periodic component: Implications for tidal observations in the meteor region, J. Geophys. Res. 86:9698.

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1. Richmond, A. D. (1975) Energy relations of atmospheric tides and their significance to approximate methods of solution for tides with dissipative forces, J. Atmos. Sci. 32:980-987.
2. Lindzen, R. S. (1970) Internal gravity waves in atmospheres with realistic dissipation and temperature, I, Mathematical development and propagation of waves into the thermosphere, Geophys. Fl. Dyn. 1:303-355.
3. Forbes, J. M., and Garrett, H. B. (1979) Theoretical studies of atmospheric tides, Rev. Geophys. Space Phys. 17:1951-1981.
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5. Hong, S. S., and Lindzen, R. S. (1976) Solar semidiurnal tide in the thermosphere, J. Atmos. Sci. 33:135-153.
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8. Forbes, J. M. (1982) Atmospheric Tides 2. The solar and lunar semidiurnal components, J. Geophys. Res. 87:5241-5252.
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10. Forbes, J. M., and Hagan, M. E. (1980) Tidal dynamics and composition variations in the thermosphere, J. Geophys. Res. 85:3401-3406.
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12. Hines, C. O. (1977) Relaxational dissipation in atmospheric waves-II. Application to the Earth's upper atmosphere, Planet. Space Sci. 25:1061-1074.

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13. Volland, H., and Grellman, L. (1978) A hydromagnetic dynamo of the atmosphere J. Geophys. Res. 83:3699-3708.
14. Garrett, H. B., and Forbes, J. M. (1978) Tidal structure of the thermosphere at equinox, J. Atmos. Terr. Phys. 40:657-668.
15. Forbes, J. M., Salamone, S. L., and Wand, R. H. (1982) A technique for global tidal analyses in the mesosphere and lower thermosphere, J. Geophys. Res. in press.
16. Walterscheid, R. L. (1981) Inertio-gravity wave induced accelerations of mean flows having an imposed periodic component: Implications for tidal observations in the meteor region, J. Geophys. Res. 86:9698.

Appendix A

Graphs of the Normalized Westerly Velocity,
Northerly Velocity, Vertical Velocity, and
Temperature Structures vs Altitude for the
(2,2), (2,3), (2,4), and (2,5) Hough Mode Extensions

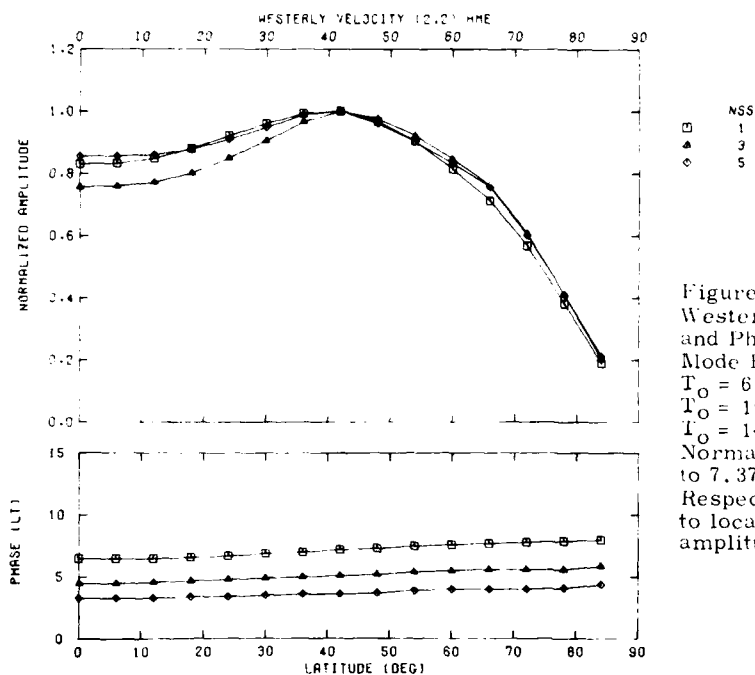


Figure A1. Normalized Westerly Velocity Amplitude and Phase of the (2,2) Hough Mode Extension at 300 km for $T_0 = 600$ K (NSS = 1), $T_0 = 1000$ K (NSS = 3), and $T_0 = 1400$ K (NSS = 5) With Normalizing Factors Equal to 7.37, 5.24, and 3.35, Respectively. Phases refer to local time of maximum amplitude

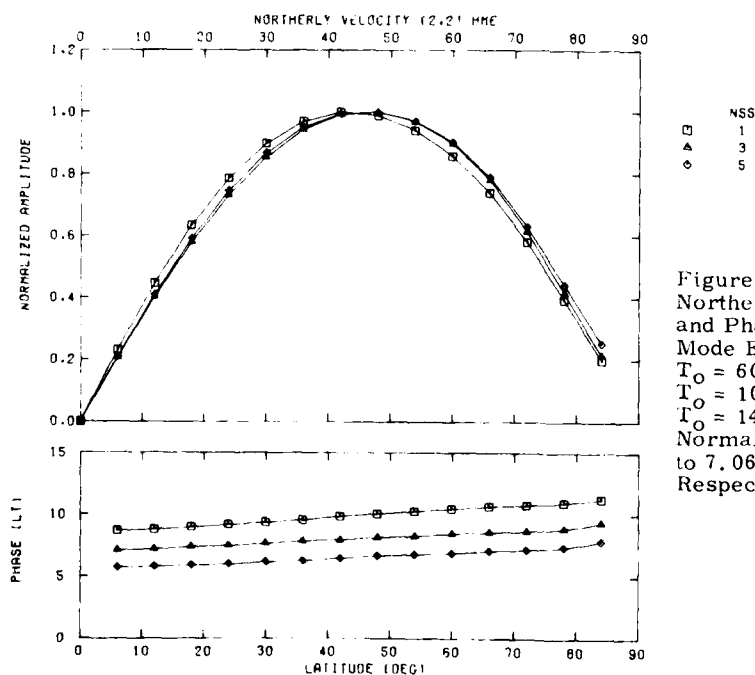


Figure A2. Normalized Northerly Velocity Amplitude and Phase of the (2,2) Hough Mode Extension at 300 km for $T_0 = 600$ K (NSS = 1), $T_0 = 1000$ K (NSS = 3), and $T_0 = 1400$ K (NSS = 5) With Normalizing Factors Equal to 7.06, 5.01, and 3.20, Respectively

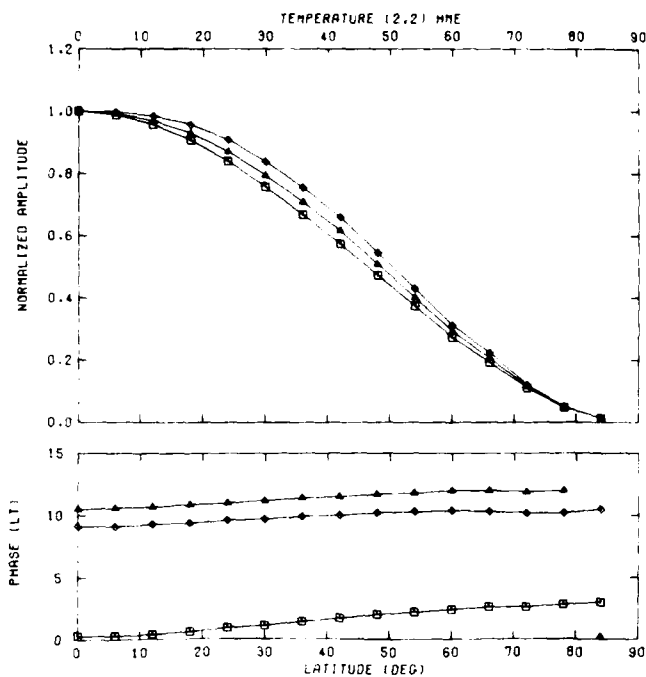


Figure A3. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2,2) Hough Mode Extension at 300 km for $T_0 = 600$ K, (NSS = 1), $T_0 = 1000$ K (NSS = 3), and $T_0 = 1400$ K (NSS = 5) With Normalizing Factors Equal to 4.64, 4.87, and 4.66, Respectively

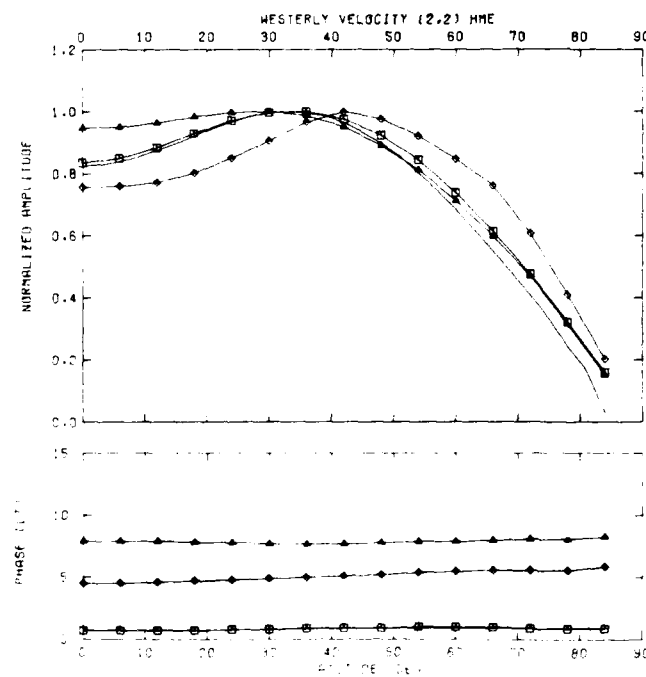


Figure A4. Normalized Westerly Velocity Amplitude and Phase of the (2,2) Hough Mode Extension at 100, 150, and 300 km for $T_0 = 1000$ K With Normalizing Factors Equal to 3.38, 6.31, and 5.24, Respectively. Phases refer to local time of maximum amplitude

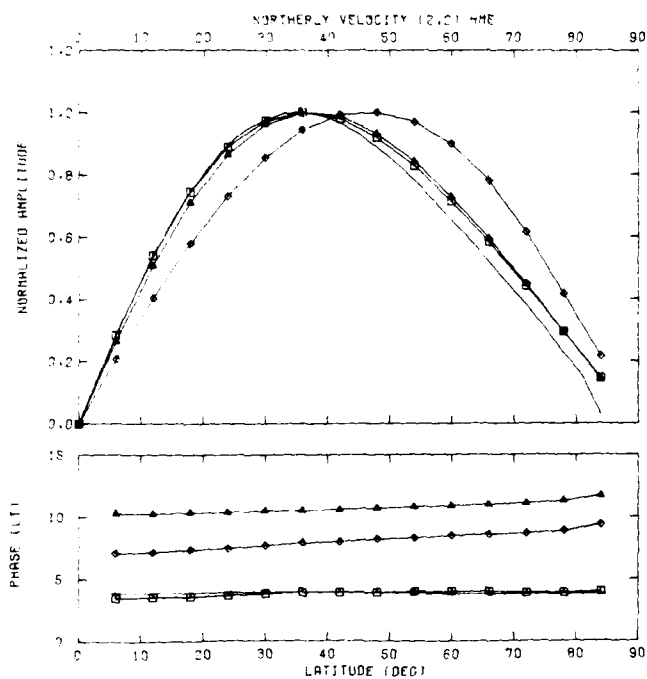


Figure A5. Normalized Northerly Velocity Amplitude and Phase of the (2,2) Hough Mode Extension at 100, 150, and 300 km for $T_0 = 1000$ K With Normalizing Factors Equal to 3.67, 6.50, and 5.04, Respectively

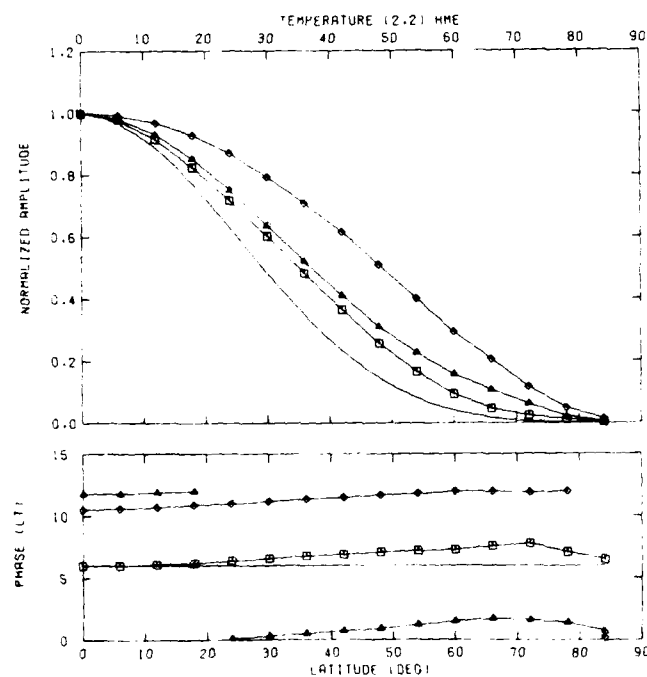


Figure A6. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2,2) Hough Mode Extension at 100, 150, and 300 km for $T_0 = 1000$ K With Normalizing Factors Equal to 1.00, 7.00, and 4.87, Respectively

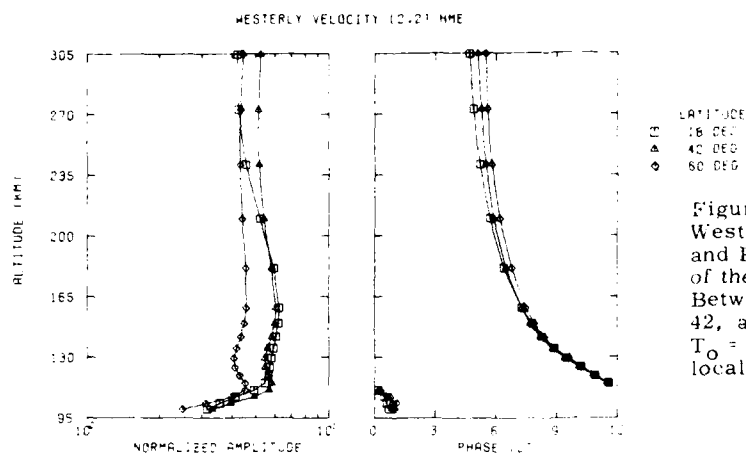


Figure A7. Normalized Westerly Velocity Amplitude and Phase Vertical Structures of the (2,2) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for $T_o = 1000$ K. Phases refer to local time of maximum amplitude

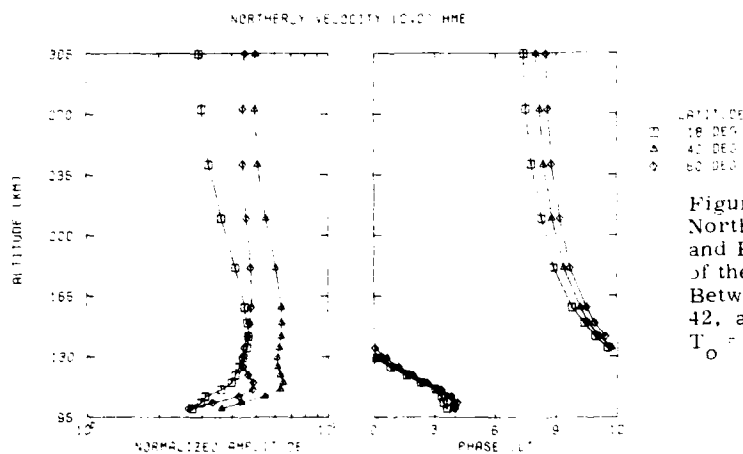


Figure A8. Normalized Northerly Velocity Amplitude and Phase Vertical Structures of the (2,2) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for $T_o = 1000$ K

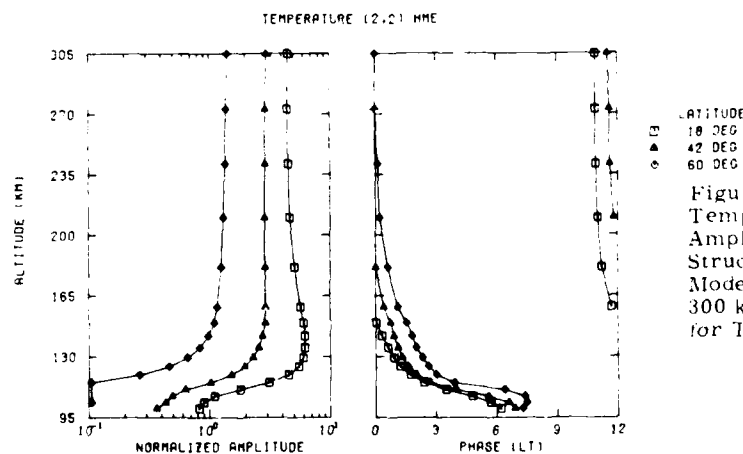


Figure A9. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2,2) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for $T_o = 1000$ K

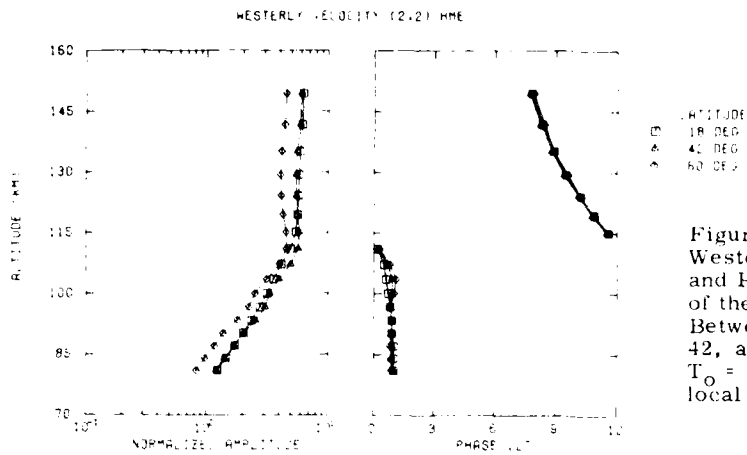


Figure A10. Normalized Westerly Velocity Amplitude and Phase Vertical Structures of the (2,2) Hough Mode Extension Between 80 and 150 km at 18, 42, and 60° Latitude for $T_0 = 1000$ K. Phases refer to local time of maximum amplitude

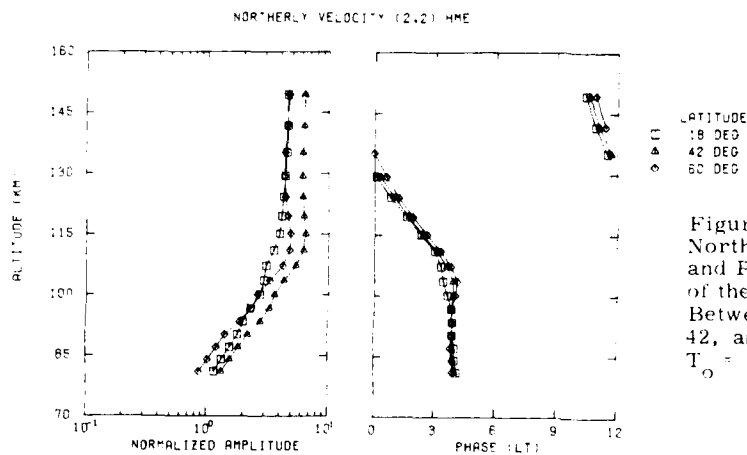


Figure A11. Normalized Northerly Velocity Amplitude and Phase Vertical Structures of the (2,2) Hough Mode Extension Between 80 and 150 km at 18, 42, and 60° Latitude for $T_0 = 1000$ K

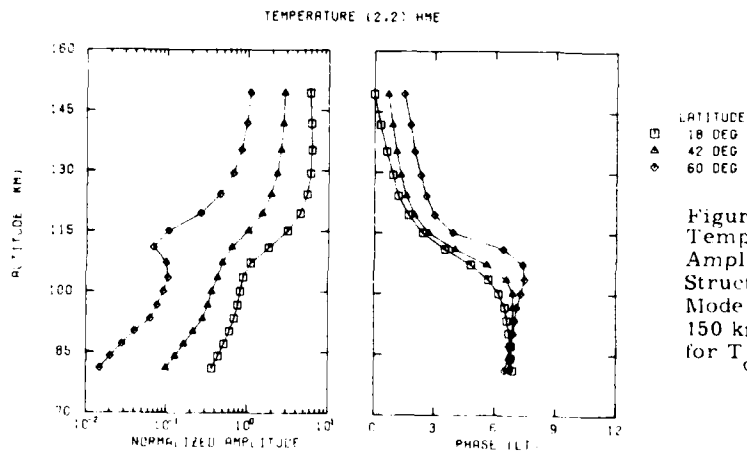


Figure A12. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2,2) Hough Mode Extension Between 80 and 150 km at 18, 42, and 60° Latitude for $T_0 = 1000$ K

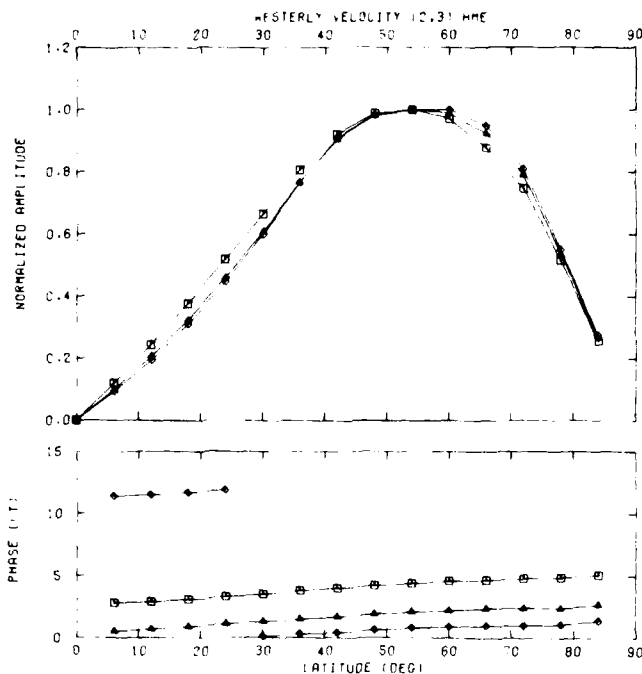


Figure A13. Normalized Westerly Velocity Amplitude and Phase of the (2,3) Hough Mode Extension at 300 km for $T_0 = 600$ K (NSS = 1), $T_0 = 1000$ K (NSS = 3), and $T_0 = 1400$ K (NSS = 5) With Normalizing Factors Equal to 6.21, 3.72, and 2.42, Respectively. Phases refer to local time of maximum amplitude

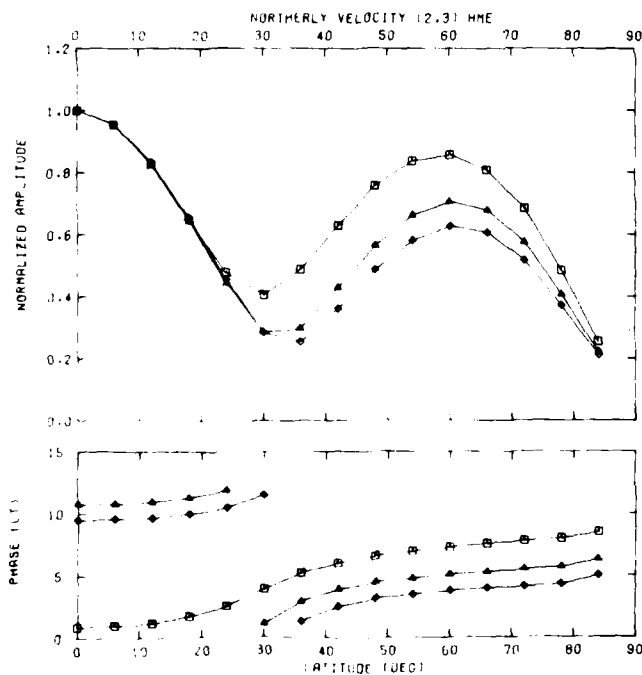
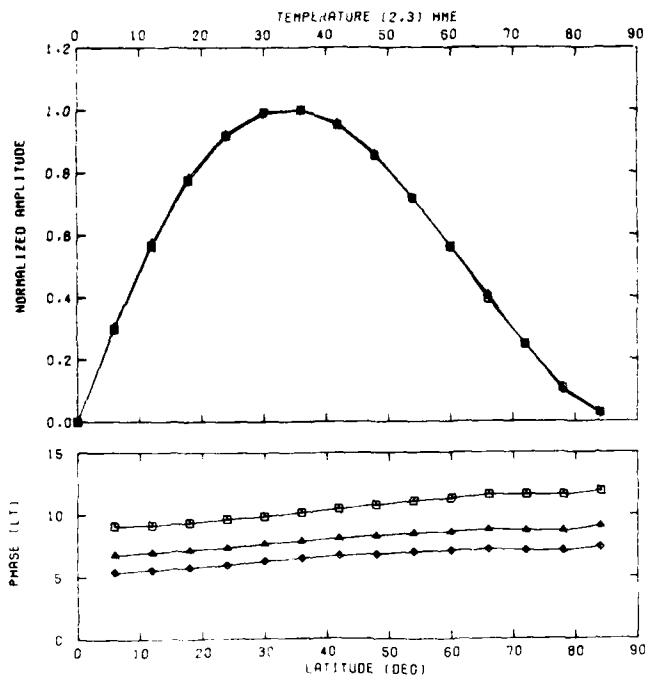
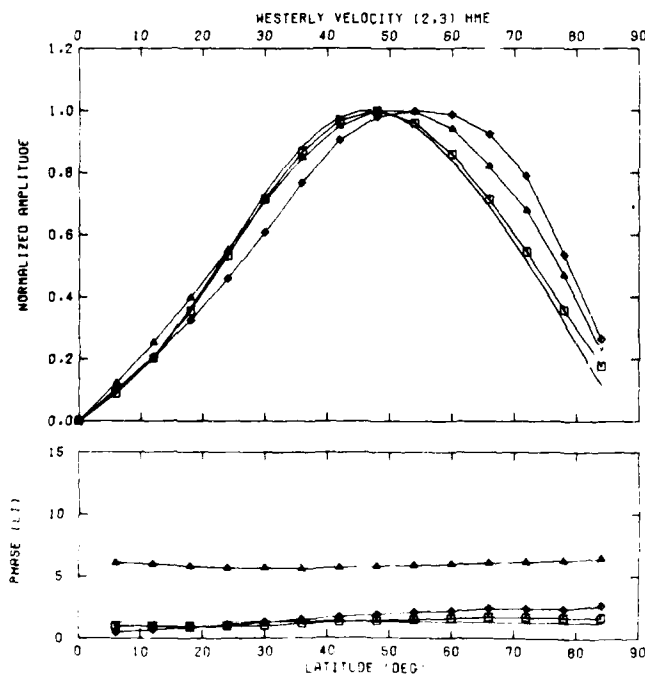


Figure A14. Normalized Northerly Velocity Amplitude and Phase of the (2,3) Hough Mode Extension at 300 km for $T_0 = 600$ K (NSS = 1), $T_0 = 1000$ K (NSS = 3), and $T_0 = 1400$ K (NSS = 5) With Normalizing Factors Equal to 6.47, 4.76, and 3.55, Respectively



NSS
 □ 1
 ▲ 3
 ◇ 5

Figure A15. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2,3) Hough Mode Extension at 300 km for $T_o = 600$ K (NSS = 1), $T_o = 1000$ K (NSS = 3), and $T_o = 1400$ K (NSS = 5), With Normalizing Factors Equal to 3.80, 3.70, and 3.21, Respectively



HEIGHT
 □ 100
 ▲ 150
 ◇ 300

Figure A16. Normalized Westerly Velocity Amplitude and Phase of the (2,3) Hough Mode Extension at 100, 150, and 300 km for $T_o = 1000$ K With Normalizing Factors Equal to 2.74, 4.24, and 3.72, Respectively. Phases refer to local time of maximum amplitude

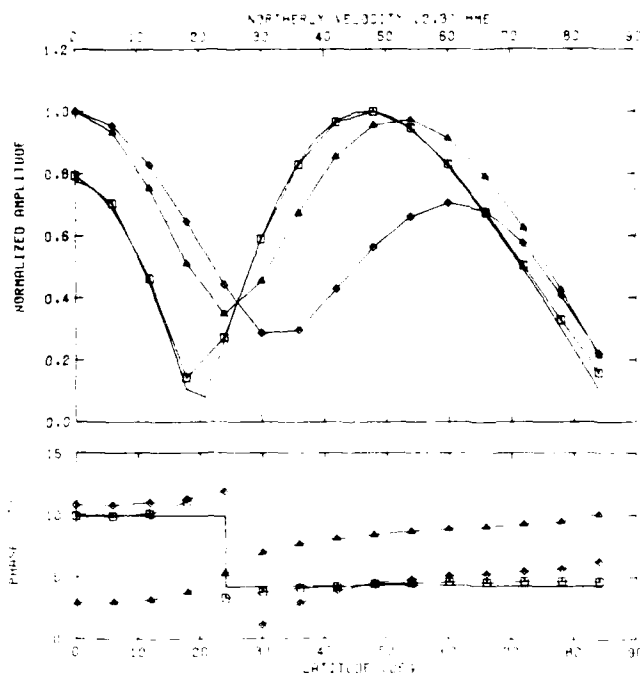


Figure A17. Normalized Northernly Velocity Amplitude and Phase of the (2,3) Hough Mode Extension at 100, 150, and 300 km for $T_0 = 1000$ K With Normalizing Factors Equal to 2.97, 4.51, and 4.76, Respectively

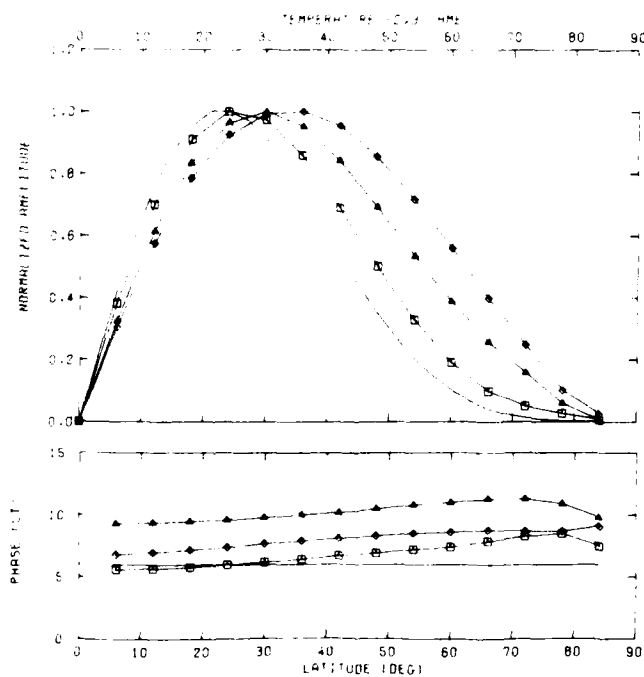


Figure A18. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2,3) Hough Mode Extension at 100, 150, and 300 km for $T_0 = 1000$ K With Normalizing Factors Equal to 1.00, 4.61, and 3.70, Respectively

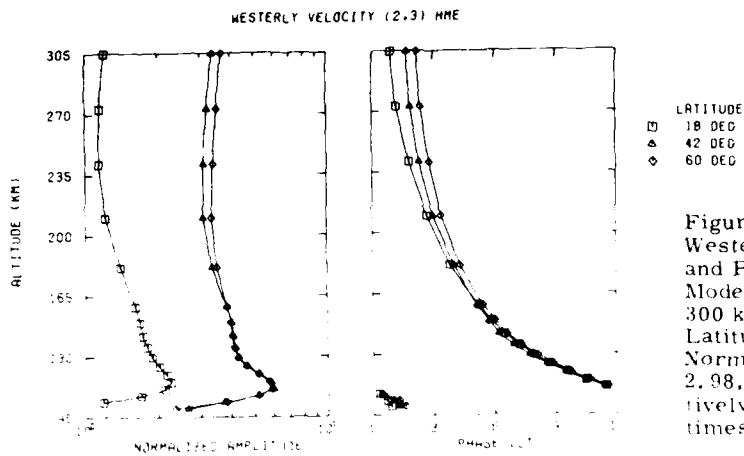


Figure A19. Normalized Westerly Velocity Amplitude and Phase of the (2,3) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for $T_0 = 1000$ K With Normalizing Factors Equal to 2.98, 2.40, and 1.90, Respectively. Phases refer to local times of maximum amplitude

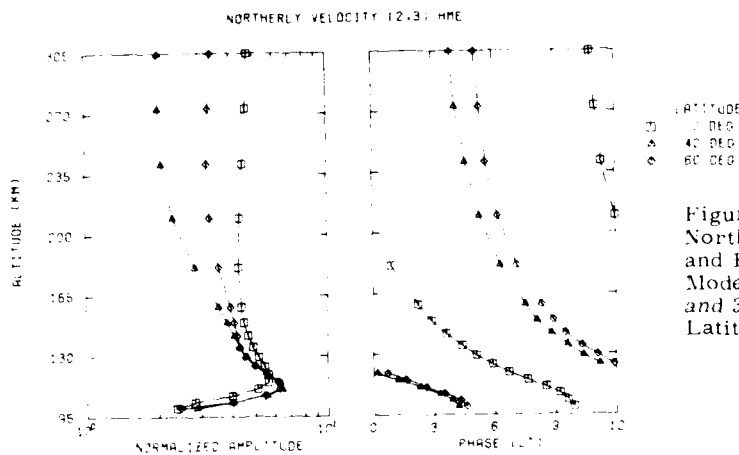


Figure A20. Normalized Northerly Velocity Amplitude and Phase of the (2,3) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for $T_0 = 1000$ K

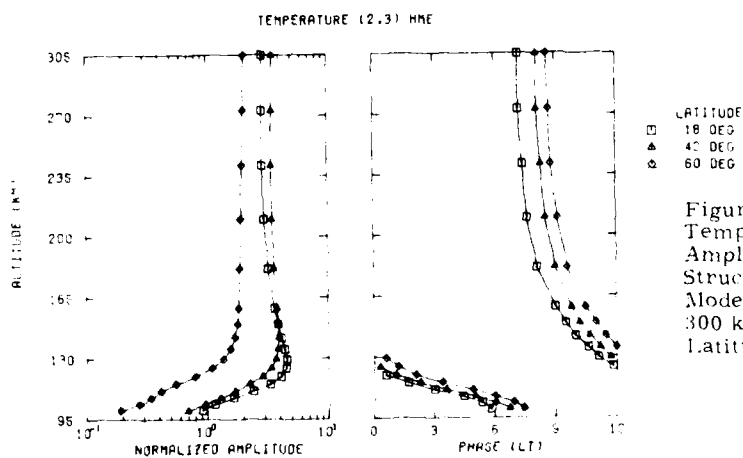


Figure A21. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2,3) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for $T_0 = 1000$ K

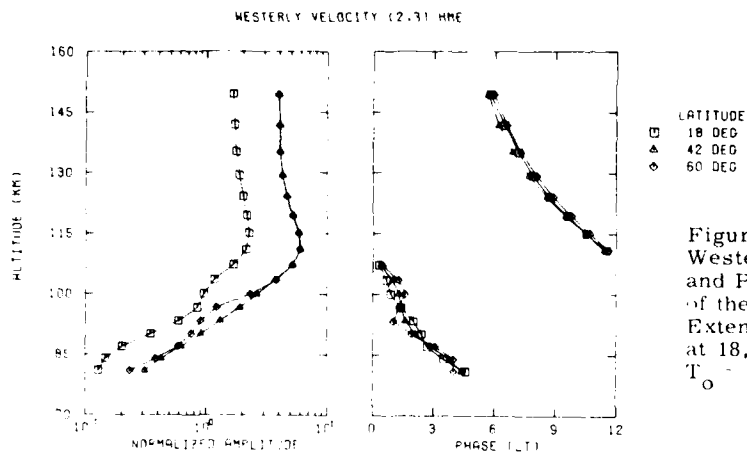


Figure A22. Normalized Westerly Velocity Amplitude and Phase Vertical Structure of the (2,3) Hough Mode Extension Between 80 and 150 km at 18, 42, and 60° Latitude for $T_0 = 1000$ K

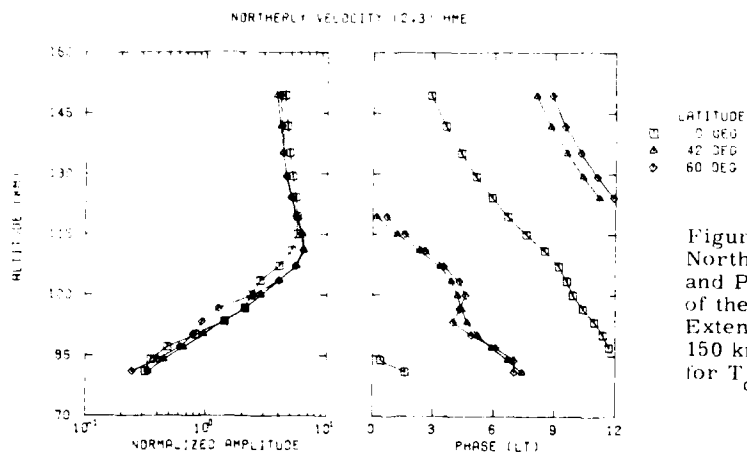


Figure A23. Normalized Northerly Velocity Amplitude and Phase Vertical Structures of the (2,3) Hough Mode Extension Between 80 and 150 km at 0, 42, and 60° Latitude for $T_0 = 1000$ K

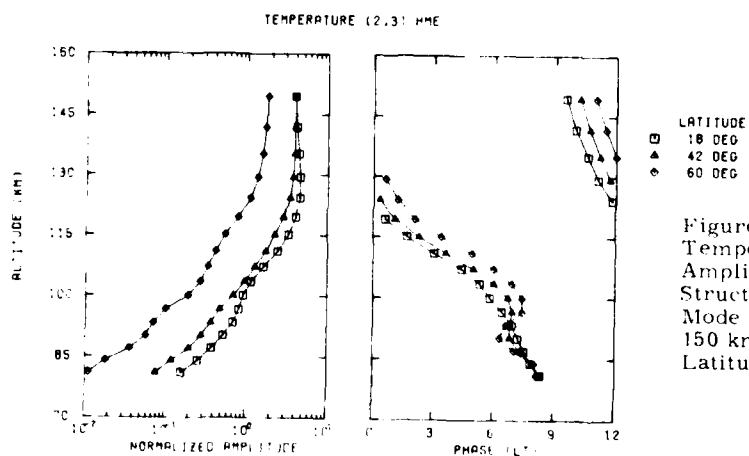


Figure A24. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2,3) Hough Mode Extension Between 80 and 150 km at 18, 42, and 60° Latitude for $T_0 = 1000$ K

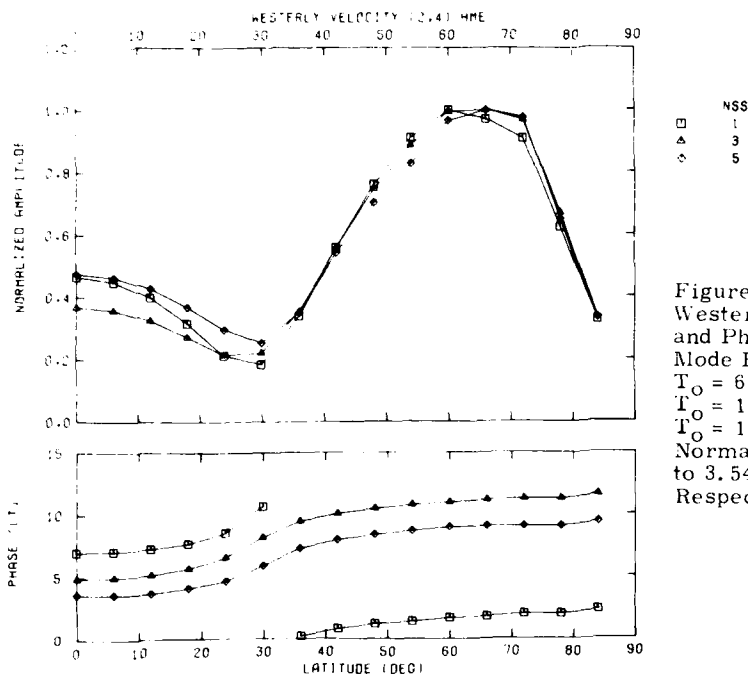


Figure A25. Normalized Westerly Velocity Amplitude and Phase of the (2,4) Hough Mode Extension at 300 km for $T_O = 600$ K (NSS = 1), $T_O = 1000$ K (NSS = 3), and $T_O = 1400$ K (NSS = 5) With Normalizing Factors Equal to 3.54, 1.90, and 0.89, Respectively

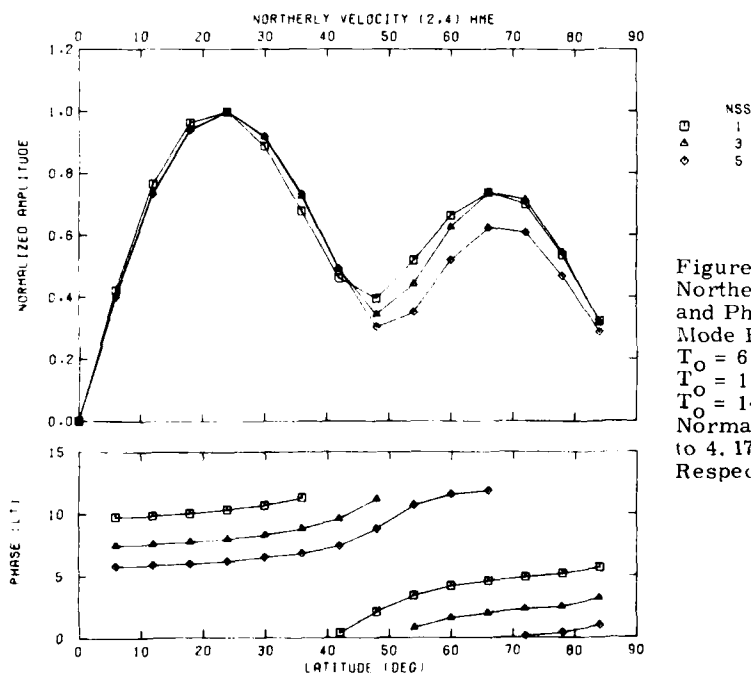


Figure A26. Normalized Northerly Velocity Amplitude and Phase of the (2,4) Hough Mode Extension at 300 km for $T_O = 600$ K (NSS = 1), $T_O = 1000$ K (NSS = 3), and $T_O = 1400$ K (NSS = 5) With Normalizing Factors Equal to 4.17, 2.22, and 1.23, Respectively

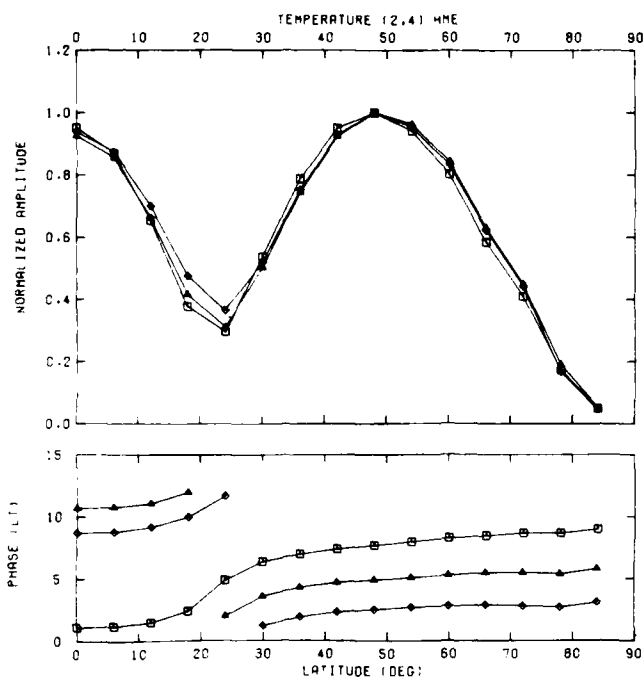


Figure A27. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2,4) Hough Mode Extension at 300 km for $T_0 = 600$ K (NSS = 1), $T_0 = 1000$ K (NSS = 3), and $T_0 = 1400$ K (NSS = 5), With Normalizing Factors Equal to 2.33, 1.88, and 1.49, Respectively

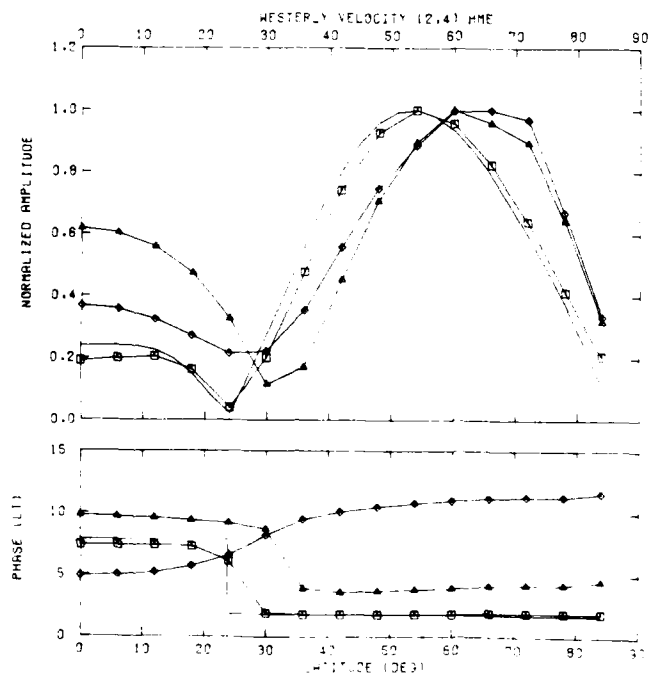


Figure A28. Normalized Westerly Velocity Amplitude and Phase of the (2,4) Hough Mode Extension at 100, 150, and 300 km, for $T_0 = 1000$ K With Normalizing Factors Equal to 2.98, 2.40, and 1.90, Respectively. Phases refer to local time of maximum amplitude

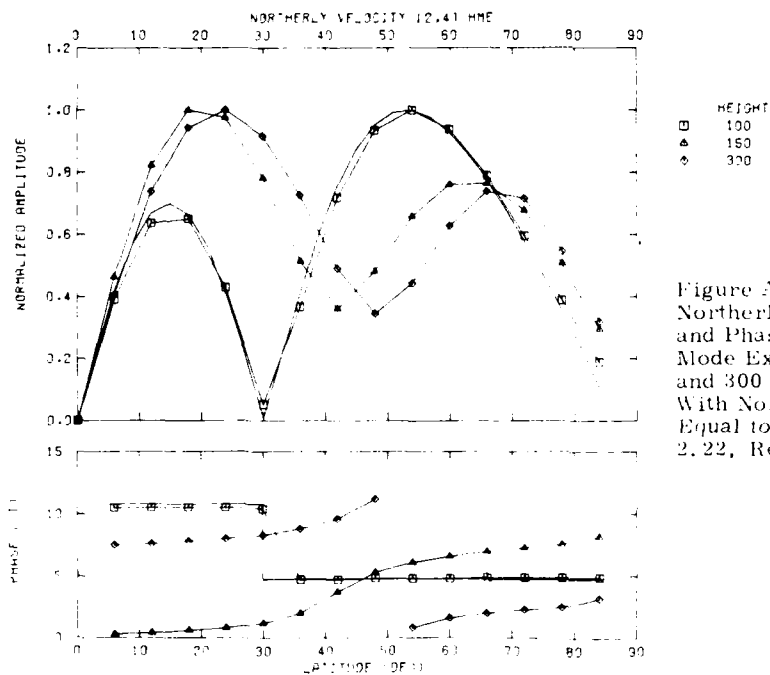


Figure A29. Normalized Northernly Velocity Amplitude and Phase of the (2,4) Hough Mode Extension at 100, 150, and 300 km for $T_0 = 1000$ K With Normalizing Factors Equal to 3.17, 3.08, and 2.22, Respectively

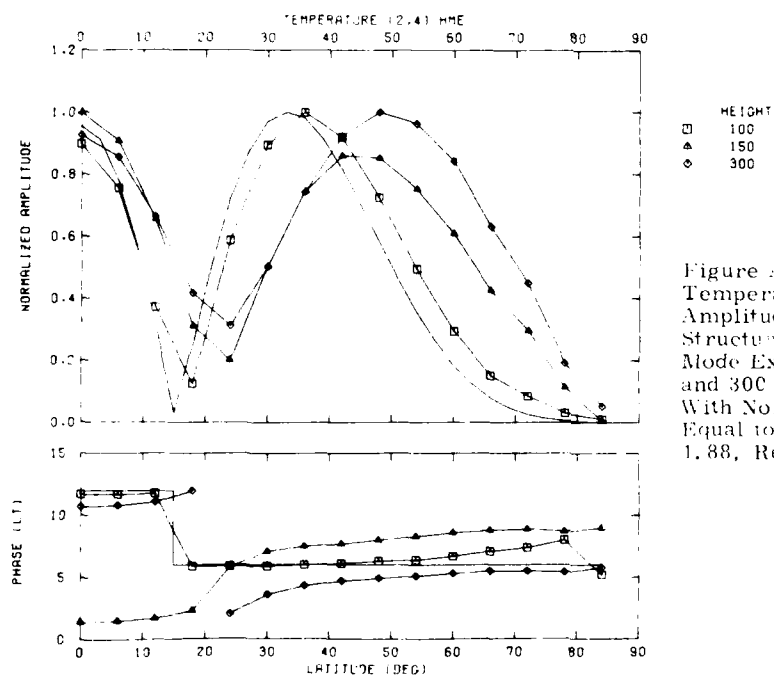


Figure A30. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2,4) Hough Mode Extension at 100, 150, and 300 km, for $T_0 = 1000$ K With Normalizing Factors Equal to 1.00, 2.91, and 1.88, Respectively

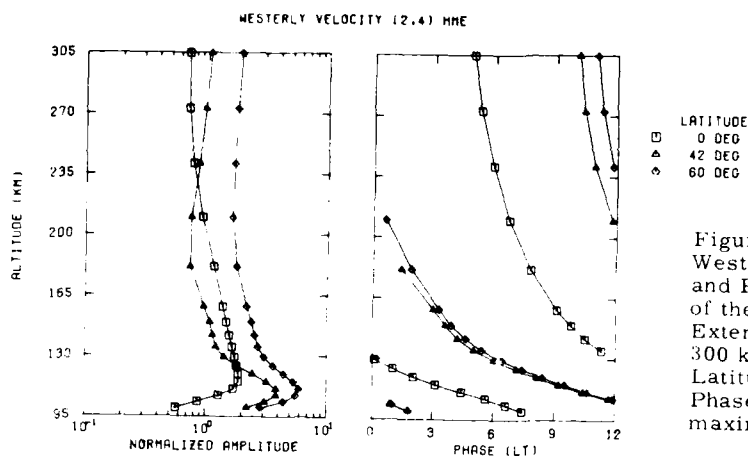


Figure A31. Normalized Westerly Velocity Amplitude and Phase Vertical Structures of the (2,4) Hough Mode Extension Between 100 and 300 km at 0, 42, and 60° Latitude for $T_0 = 1000$ K. Phases refer to local time of maximum amplitude.

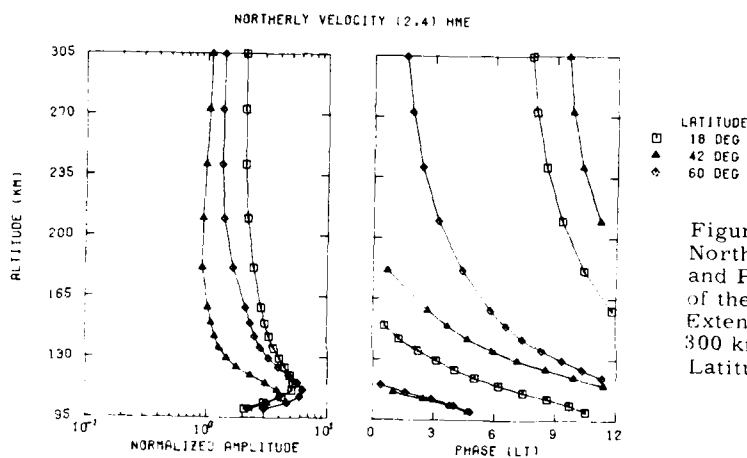


Figure A32. Normalized Northerly Velocity Amplitude and Phase Vertical Structures of the (2,4) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for $T_0 = 1000$ K.

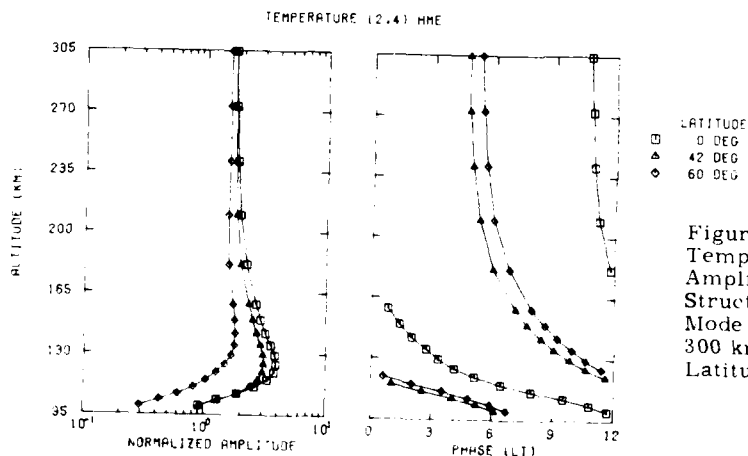


Figure A33. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2,4) Hough Mode Extension Between 100 and 300 km at 0, 42, and 60° Latitude for $T_0 = 1000$ K.

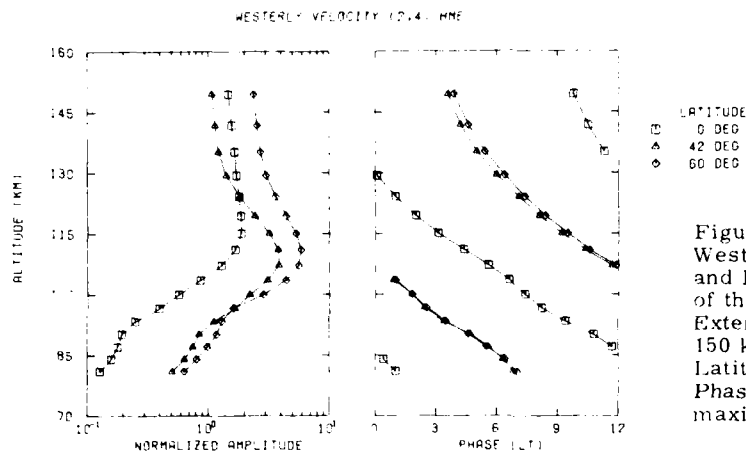


Figure A34. Normalized Westerly Velocity Amplitude and Phase Vertical Structures of the (2,4) Hough Mode Extension Between 80 and 150 km at 0, 42, and 60° Latitude for $T_0 = 1000$ K. Phases refer to local time of maximum amplitude

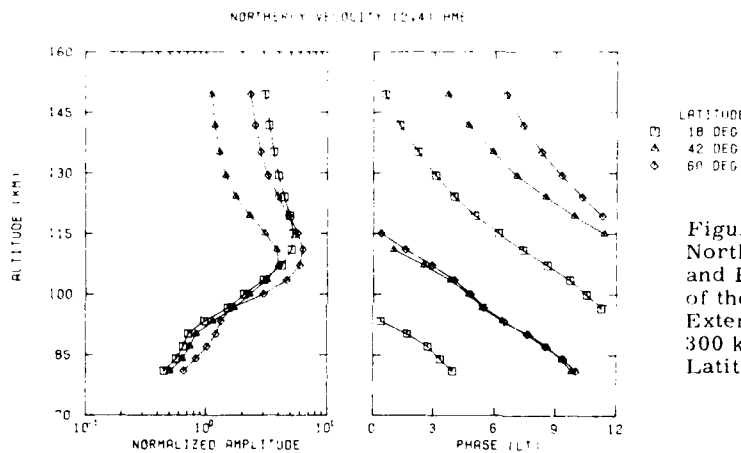


Figure A35. Normalized Northerly Velocity Amplitude and Phase Vertical Structures of the (2,4) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for $T_0 = 1000$ K

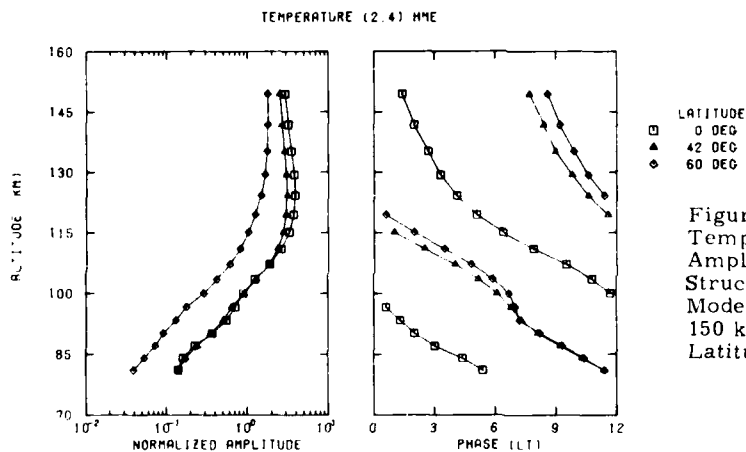


Figure A36. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2,4) Hough Mode Extension Between 80 and 150 km at 0, 42, and 60° Latitude for $T_0 = 1000$ K

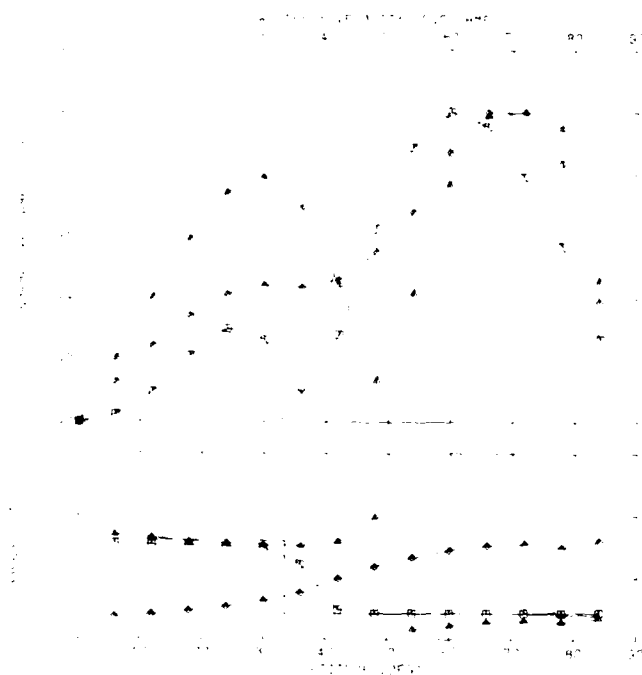


Figure A37. Normalized Westerly Velocity Amplitude and Phase of the (2,5) Hough Mode Extension at 100, 150, and 300 km for $T_0 = 1000$ K With Normalizing Factors Equal to 4, 5.3, 1, 12, and 0, 90, Respectively. Phases refer to local time of maximum amplitude

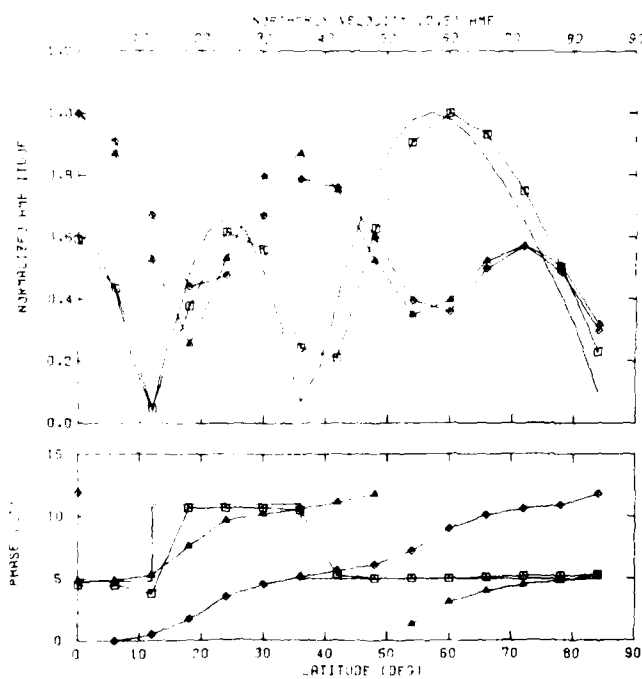


Figure A38. Normalized Northerly Velocity Amplitude and Phase of the (2,5) Hough Mode Extension at 100, 150, and 300 km for $T_0 = 1000$ K With Normalizing Factors Equal to 4.72, 2.05, and 1.34, Respectively

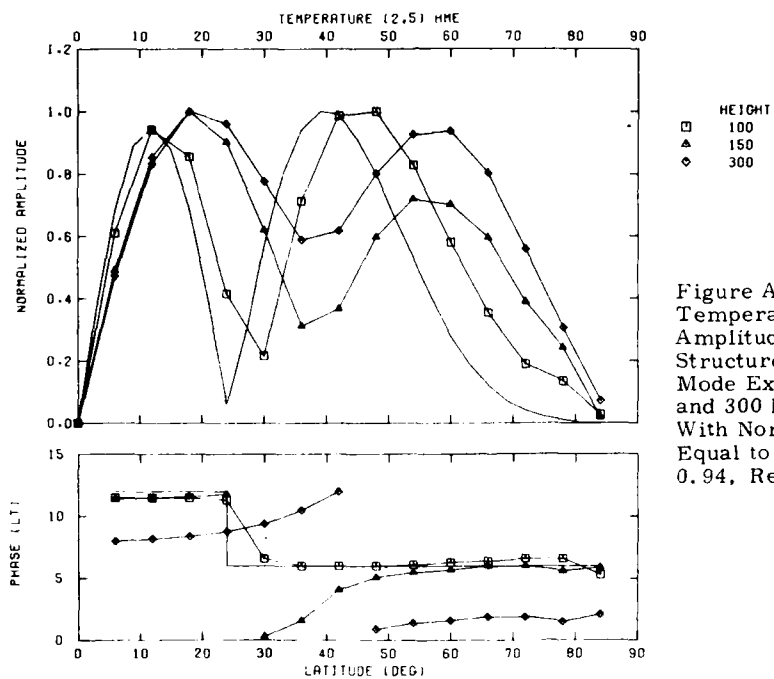


Figure A39. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2,5) Hough Mode Extension at 100, 150, and 300 km for $T_0 = 1000$ K With Normalizing Factors Equal to 1.00, 1.67, and 0.94, Respectively

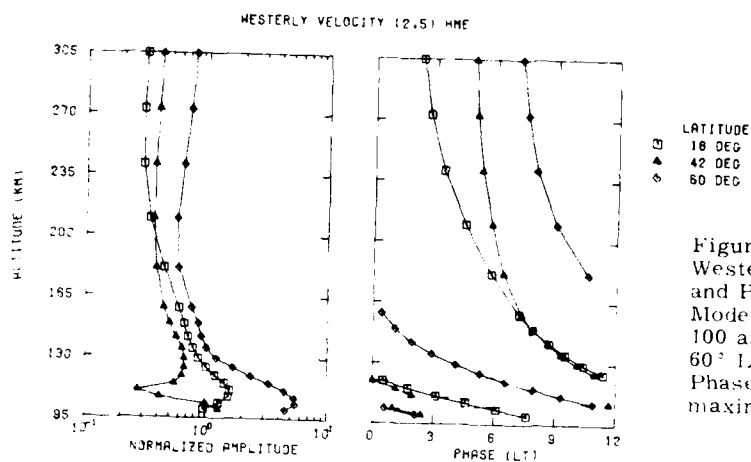


Figure A40. Normalized Westerly Velocity Amplitude and Phase of the (2,5) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for $T_0 = 1000$ K. Phases refer to local time of maximum amplitude

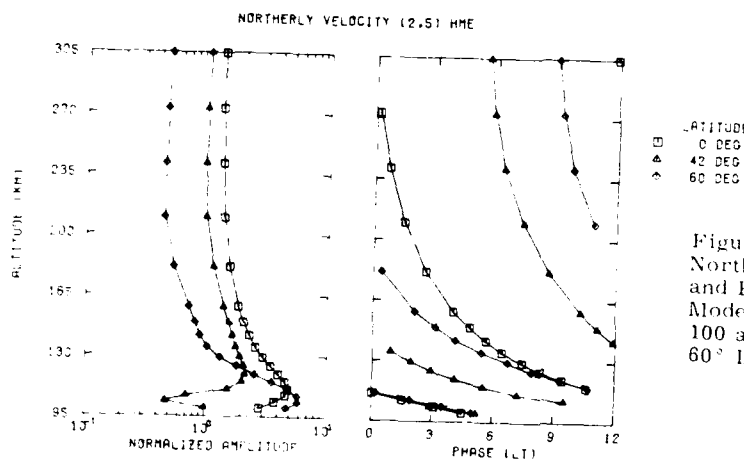


Figure A41. Normalized Northerly Velocity Amplitude and Phase of the (2,5) Hough Mode Extension Between 100 and 300 km at 0, 42, and 60° Latitude for $T_0 = 1000$ K

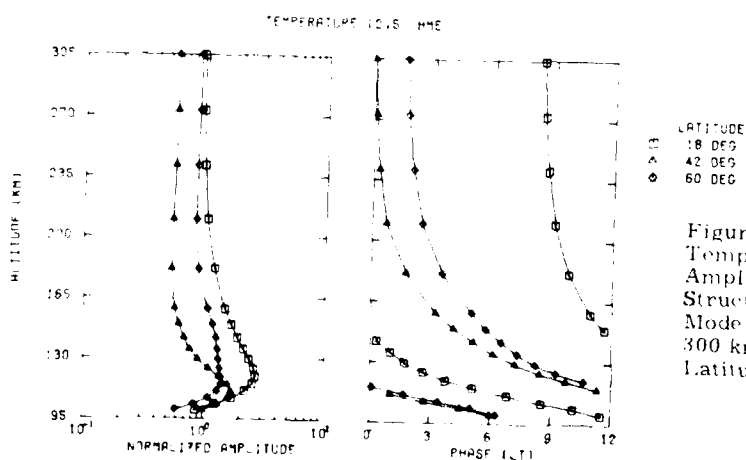


Figure A42. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2,5) Hough Mode Extension Between 100 and 300 km at 18, 42, and 60° Latitude for $T_0 = 1000$ K

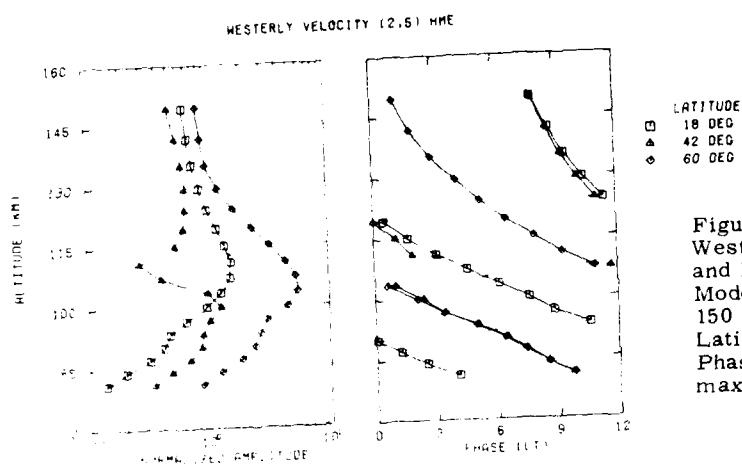


Figure A43. Normalized Westerly Velocity Amplitude and Phase of the (2, 5) Hough Mode Extension Between 80 and 150 km at 18, 42, and 60° Latitude for $T_0 = 1000$ K. Phases refer to local time of maximum amplitude

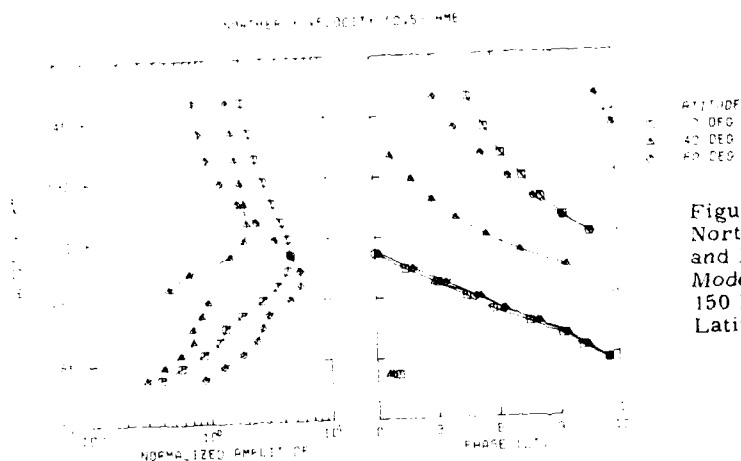


Figure A44. Normalized Northerly Velocity Amplitude and Phase of the (2, 5) Hough Mode Extension Between 80 and 150 km at 0, 42, and 60° Latitude for $T_0 = 1000$ K

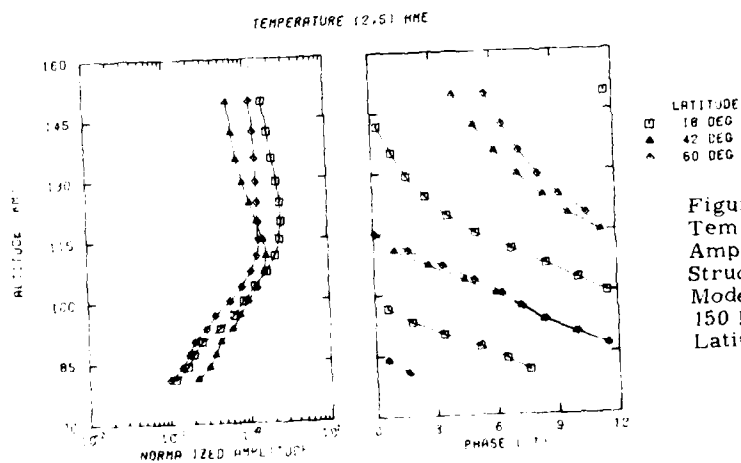


Figure A45. Normalized Temperature Oscillation Amplitude and Phase Vertical Structures of the (2, 5) Hough Mode Extension Between 80 and 150 km at 18, 42, and 60° Latitude for $T_0 = 1000$ K

Appendix B

Tables of Hough Mode Extension Structures for the
Fields: Westerly Velocity, Northerly Velocity,
Vertical Velocity, and Temperature for the (2,2), (2,3),
(2,4), and (2,5) Modes at Levels of Solar Activity
Characterized by Global Mean Exospheric Temperatures
of 600, 800, 1000, 1200, and 1400 K

Table B1. Amplitude and Phase for the (2,2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K

$T_0 = 600$ K											
Z = 100.017 KM											
LAT = 0.0	U =	2.891 /	.7	V =	0.000 /	11.1	W =	.026672 /	5.1	T =	1.000 / 6.0
LAT = 6.0	U =	2.935 /	.7	V =	1.017 /	3.6	W =	.026392 /	5.1	T =	.974 / 6.1
LAT = 12.0	U =	3.057 /	.7	V =	1.945 /	3.6	W =	.005615 /	5.2	T =	.912 / 6.1
LAT = 18.0	U =	3.218 /	.7	V =	2.717 /	3.7	W =	.004459 /	5.2	T =	.831 / 6.2
LAT = 24.0	U =	3.382 /	.7	V =	3.295 /	3.7	W =	.003149 /	5.3	T =	.721 / 6.2
LAT = 30.0	U =	3.503 /	.8	V =	3.654 /	3.8	W =	.001894 /	5.5	T =	.603 / 6.4
LAT = 36.0	U =	3.552 /	.8	V =	3.930 /	3.8	W =	.000897 /	6.0	T =	.476 / 6.5
LAT = 42.0	U =	3.506 /	.8	V =	3.807 /	3.8	W =	.000386 /	7.8	T =	.345 / 6.7
LAT = 48.0	U =	3.353 /	.8	V =	3.618 /	3.8	W =	.000450 /	9.3	T =	.243 / 6.9
LAT = 54.0	U =	3.090 /	.8	V =	3.299 /	3.8	W =	.000304 /	10.4	T =	.157 / 6.9
LAT = 60.0	U =	2.726 /	.8	V =	2.811 /	3.8	W =	.000437 /	10.7	T =	.091 / 7.0
LAT = 66.0	U =	2.260 /	.8	V =	2.340 /	3.8	W =	.000295 /	11.1	T =	.041 / 7.4
LAT = 72.0	U =	1.764 /	.8	V =	1.779 /	3.8	W =	.000178 /	11.5	T =	.020 / 7.6
LAT = 78.0	U =	1.205 /	.8	V =	1.154 /	3.8	W =	.000163 /	10.4	T =	.015 / 7.0
LAT = 84.0	U =	.592 /	.8	V =	.573 /	3.8	W =	.000049 /	9.8	T =	.004 / 5.7
Z = 103.521 KM											
LAT = 0.0	U =	3.354 /	.6	V =	0.000 /	5.0	W =	.009529 /	5.1	T =	1.000 / 5.6
LAT = 6.0	U =	3.395 /	.6	V =	1.057 /	3.4	W =	.009255 /	5.1	T =	1.077 / 5.6
LAT = 12.0	U =	3.522 /	.6	V =	2.102 /	3.5	W =	.008329 /	5.2	T =	1.028 / 5.7
LAT = 18.0	U =	3.690 /	.6	V =	2.940 /	3.5	W =	.006844 /	5.3	T =	.944 / 5.8
LAT = 24.0	U =	3.894 /	.7	V =	3.703 /	3.6	W =	.005340 /	5.4	T =	.830 / 5.9
LAT = 30.0	U =	4.065 /	.7	V =	4.212 /	3.6	W =	.003720 /	5.6	T =	.672 / 6.0
LAT = 36.0	U =	4.170 /	.7	V =	4.188 /	3.7	W =	.002240 /	5.8	T =	.542 / 6.1
LAT = 42.0	U =	4.172 /	.8	V =	4.545 /	3.3	W =	.001146 /	6.1	T =	.394 / 6.3
LAT = 48.0	U =	4.039 /	.8	V =	4.349 /	3.8	W =	.000356 /	6.5	T =	.263 / 6.6
LAT = 54.0	U =	3.758 /	.8	V =	4.020 /	3.8	W =	.000125 /	11.6	T =	.153 / 6.9
LAT = 60.0	U =	3.336 /	.8	V =	3.506 /	3.8	W =	.000296 /	12	T =	.088 / 7.3
LAT = 66.0	U =	2.773 /	.9	V =	2.379 /	3.8	W =	.000335 /	17	T =	.044 / 8.3
LAT = 72.0	U =	2.161 /	.8	V =	2.184 /	3.8	W =	.000273 /	11	T =	.024 / 9.0
LAT = 78.0	U =	1.475 /	.8	V =	1.445 /	3.8	W =	.000147 /	11.7	T =	.016 / 8.1
LAT = 84.0	U =	.726 /	.8	V =	.700 /	3.9	W =	.000052 /	10.0	T =	.006 / 6.9
Z = 107.177 KM											
LAT = 0.0	U =	4.019 /	.5	V =	0.000 /	5.1	W =	.014049 /	5.1	T =	1.301 / 4.9
LAT = 6.0	U =	4.066 /	.5	V =	1.191 /	3.4	W =	.013591 /	5.1	T =	1.339 / 4.9
LAT = 12.0	U =	4.207 /	.5	V =	2.347 /	3.4	W =	.012671 /	5.1	T =	1.274 / 5.0
LAT = 18.0	U =	4.418 /	.5	V =	3.419 /	3.4	W =	.011081 /	5.2	T =	1.164 / 5.0
LAT = 24.0	U =	4.665 /	.5	V =	4.344 /	3.4	W =	.009114 /	5.3	T =	1.006 / 5.1
LAT = 30.0	U =	4.900 /	.5	V =	5.048 /	3.5	W =	.006950 /	5.4	T =	.812 / 5.2
LAT = 36.0	U =	5.058 /	.5	V =	5.471 /	3.5	W =	.004845 /	5.4	T =	.601 / 5.3
LAT = 42.0	U =	5.076 /	.5	V =	5.579 /	3.5	W =	.002940 /	5.3	T =	.402 / 5.5
LAT = 48.0	U =	4.913 /	.6	V =	5.376 /	3.5	W =	.001577 /	5.0	T =	.236 / 5.9
LAT = 54.0	U =	4.550 /	.6	V =	4.506 /	3.6	W =	.000733 /	4.1	T =	.123 / 6.6
LAT = 60.0	U =	4.010 /	.6	V =	4.234 /	3.6	W =	.000493 /	2.5	T =	.068 / 7.7
LAT = 66.0	U =	3.299 /	.6	V =	3.441 /	3.6	W =	.000495 /	1.8	T =	.054 / 9.2
LAT = 72.0	U =	2.543 /	.6	V =	2.532 /	3.6	W =	.000433 /	1.6	T =	.044 / 9.8
LAT = 78.0	U =	1.732 /	.7	V =	1.694 /	3.7	W =	.000151 /	.7	T =	.019 / 8.8
LAT = 84.0	U =	.850 /	.7	V =	.803 /	3.7	W =	.000040 /	9.9	T =	.007 / 6.7
Z = 111.019 KM											
LAT = 0.0	U =	4.962 /	.1	V =	0.000 /	5.0	W =	.021251 /	5.0	T =	2.083 / 3.9
LAT = 6.0	U =	5.009 /	.1	V =	1.476 /	3.0	W =	.020769 /	5.0	T =	2.032 / 3.9
LAT = 12.0	U =	5.149 /	.1	V =	2.647 /	3.0	W =	.019377 /	5.0	T =	1.886 / 3.9
LAT = 18.0	U =	5.349 /	.1	V =	4.161 /	3.0	W =	.017175 /	5.0	T =	1.656 / 3.9
LAT = 24.0	U =	5.573 /	.1	V =	5.217 /	3.0	W =	.014398 /	5.0	T =	1.364 / 4.0
LAT = 30.0	U =	5.764 /	.1	V =	5.979 /	3.0	W =	.011301 /	5.0	T =	1.039 / 4.0
LAT = 36.0	U =	5.854 /	.1	V =	6.395 /	3.0	W =	.008209 /	4.9	T =	.718 / 4.1
LAT = 42.0	U =	5.786 /	.1	V =	6.415 /	3.0	W =	.005433 /	4.8	T =	.432 / 4.3
LAT = 48.0	U =	5.520 /	.1	V =	6.094 /	3.1	W =	.003221 /	4.6	T =	.212 / 4.6
LAT = 54.0	U =	5.045 /	.1	V =	5.485 /	3.1	W =	.001694 /	4.2	T =	.076 / 5.8
LAT = 60.0	U =	4.400 /	.1	V =	4.676 /	3.1	W =	.000682 /	3.4	T =	.057 / 8.2
LAT = 66.0	U =	3.578 /	.2	V =	3.763 /	3.2	W =	.000561 /	2.1	T =	.076 / 9.2
LAT = 72.0	U =	2.738 /	.2	V =	2.900 /	3.2	W =	.000450 /	1.5	T =	.065 / 9.5
LAT = 78.0	U =	1.873 /	.2	V =	1.921 /	3.2	W =	.000120 /	1.4	T =	.020 / 8.7
LAT = 84.0	U =	.914 /	.3	V =	.843 /	3.3	W =	.000010 /	7.2	T =	.006 / 6.0

Table B1. Amplitude and Phase for the (2,2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 800 K

Z = 115.091 KM

LAT= 0.0	U= 5.772 / 11.6	V= 0.000 / 4.7	W= .030393 / 4.7	T= 3.216 / 2.9
LAT= 6.0	U= 5.801 / 11.6	V= 1.713 / 2.4	W= .029674 / 4.7	T= 3.121 / 2.9
LAT= 12.0	U= 5.897 / 11.6	V= 3.317 / 2.4	W= .027814 / 4.7	T= 2.853 / 2.9
LAT= 18.0	U= 6.028 / 11.6	V= 4.707 / 2.3	W= .024409 / 4.7	T= 2.451 / 3.0
LAT= 24.0	U= 6.153 / 11.5	V= 5.795 / 2.3	W= .020439 / 4.6	T= 1.969 / 3.0
LAT= 30.0	U= 6.225 / 11.5	V= 6.514 / 2.4	W= .016097 / 4.6	T= 1.462 / 3.1
LAT= 36.0	U= 6.195 / 11.5	V= 6.831 / 2.4	W= .011820 / 4.6	T= .991 / 3.1
LAT= 42.0	U= 6.015 / 11.5	V= 6.751 / 2.4	W= .007987 / 4.5	T= .595 / 3.3
LAT= 48.0	U= 5.657 / 11.5	V= 6.325 / 2.5	W= .004876 / 4.5	T= .293 / 3.6
LAT= 54.0	U= 5.116 / 11.5	V= 5.629 / 2.5	W= .002605 / 4.3	T= .113 / 4.4
LAT= 60.0	U= 4.434 / 11.6	V= 4.757 / 2.6	W= .001208 / 4.0	T= .059 / 6.6
LAT= 66.0	U= 3.581 / 11.6	V= 3.803 / 2.6	W= .000395 / 2.9	T= .082 / 3.0
LAT= 72.0	U= 2.745 / 11.7	V= 2.819 / 2.7	W= .000222 / 1.3	T= .066 / 8.2
LAT= 78.0	U= 1.884 / 11.7	V= 1.824 / 2.7	W= .000085 / 3.6	T= .015 / 7.5
LAT= 84.0	U= .915 / 11.7	V= .832 / 2.8	W= .000058 / 4.5	T= .003 / 3.4

Z = 119.451 KM

LAT= 0.0	U= 6.334 / 11.0	V= 0.000 / 4.4	W= .040010 / 4.4	T= 4.314 / 2.2
LAT= 6.0	U= 6.338 / 11.0	V= 1.856 / 1.6	W= .039021 / 4.4	T= 4.181 / 2.2
LAT= 12.0	U= 6.377 / 10.9	V= 3.569 / 1.6	W= .036205 / 4.4	T= 3.812 / 2.2
LAT= 18.0	U= 6.424 / 10.9	V= 5.011 / 1.6	W= .031881 / 4.3	T= 3.263 / 2.3
LAT= 24.0	U= 6.443 / 10.9	V= 6.088 / 1.6	W= .026601 / 4.3	T= 2.615 / 2.3
LAT= 30.0	U= 6.400 / 10.9	V= 6.749 / 1.7	W= .020915 / 4.3	T= 1.953 / 2.4
LAT= 36.0	U= 6.265 / 10.8	V= 6.964 / 1.7	W= .015394 / 4.3	T= 1.349 / 2.6
LAT= 42.0	U= 6.007 / 10.9	V= 6.824 / 1.8	W= .010494 / 4.4	T= .856 / 2.8
LAT= 48.0	U= 5.599 / 10.9	V= 6.335 / 1.8	W= .006521 / 4.4	T= .493 / 3.2
LAT= 54.0	U= 5.038 / 10.9	V= 5.602 / 1.9	W= .003590 / 4.5	T= .263 / 3.8
LAT= 60.0	U= 4.358 / 11.0	V= 4.714 / 2.0	W= .001711 / 4.6	T= .149 / 4.8
LAT= 66.0	U= 3.520 / 11.1	V= 3.759 / 2.1	W= .000517 / 5.5	T= .120 / 6.0
LAT= 72.0	U= 2.711 / 11.1	V= 2.784 / 2.1	W= .000241 / 6.8	T= .081 / 6.1
LAT= 78.0	U= 1.860 / 11.2	V= 1.800 / 2.2	W= .000209 / 5.3	T= .021 / 5.0
LAT= 84.0	U= .900 / 11.2	V= .819 / 2.3	W= .000112 / 4.4	T= .007 / 1.9

Z = 124.175 KM

LAT= 0.0	U= 6.741 / 10.4	V= 0.000 / 4.0	W= .049427 / 4.0	T= 5.020 / 1.7
LAT= 6.0	U= 6.722 / 10.4	V= 1.951 / .9	W= .048179 / 4.0	T= 4.869 / 1.7
LAT= 12.0	U= 6.712 / 10.3	V= 3.736 / .9	W= .044646 / 4.0	T= 4.450 / 1.7
LAT= 18.0	U= 6.697 / 10.3	V= 5.211 / .9	W= .039246 / 4.0	T= 3.830 / 1.8
LAT= 24.0	U= 6.638 / 10.3	V= 6.278 / 1.0	W= .032688 / 4.1	T= 3.102 / 1.9
LAT= 30.0	U= 6.515 / 10.3	V= 6.859 / 1.0	W= .025681 / 4.1	T= 2.361 / 2.1
LAT= 36.0	U= 6.316 / 10.2	V= 7.053 / 1.1	W= .018946 / 4.2	T= 1.692 / 2.3
LAT= 42.0	U= 6.016 / 10.2	V= 6.877 / 1.2	W= .013034 / 4.3	T= 1.148 / 2.6
LAT= 48.0	U= 5.588 / 10.3	V= 6.357 / 1.2	W= .008287 / 4.4	T= .746 / 3.0
LAT= 54.0	U= 5.026 / 10.3	V= 5.613 / 1.3	W= .004830 / 4.7	T= .476 / 3.5
LAT= 60.0	U= 4.357 / 10.4	V= 4.726 / 1.4	W= .002602 / 5.1	T= .306 / 4.1
LAT= 66.0	U= 3.539 / 10.5	V= 3.773 / 1.5	W= .001351 / 6.2	T= .219 / 4.8
LAT= 72.0	U= 2.742 / 10.6	V= 2.798 / 1.6	W= .000879 / 6.6	T= .137 / 4.8
LAT= 78.0	U= 1.875 / 10.6	V= 1.814 / 1.7	W= .000403 / 5.6	T= .043 / 4.1
LAT= 84.0	U= .908 / 10.7	V= .832 / 1.8	W= .000148 / 4.2	T= .008 / 1.7

Z = 129.067 KM

LAT= 0.0	U= 6.992 / 9.9	V= 0.000 / 3.6	W= .058236 / 3.7	T= 5.311 / 1.3
LAT= 6.0	U= 6.955 / 9.9	V= 2.010 / .2	W= .056758 / 3.7	T= 5.159 / 1.3
LAT= 12.0	U= 6.919 / 9.8	V= 3.840 / .3	W= .052589 / 3.7	T= 4.741 / 1.4
LAT= 18.0	U= 6.877 / 9.8	V= 5.335 / .3	W= .046230 / 3.7	T= 4.123 / 1.5
LAT= 24.0	U= 6.783 / 9.7	V= 6.339 / .4	W= .038511 / 3.8	T= 3.395 / 1.6
LAT= 30.0	U= 6.624 / 9.7	V= 7.000 / .4	W= .030292 / 3.9	T= 2.652 / 1.8
LAT= 36.0	U= 6.399 / 9.7	V= 7.151 / .5	W= .022448 / 4.0	T= 1.979 / 2.1
LAT= 42.0	U= 6.087 / 9.7	V= 6.940 / .6	W= .015632 / 4.2	T= 1.427 / 2.4
LAT= 48.0	U= 5.657 / 9.7	V= 6.417 / .7	W= .010226 / 4.5	T= 1.003 / 2.8
LAT= 54.0	U= 5.102 / 9.8	V= 5.682 / .8	W= .006357 / 4.9	T= .650 / 3.3
LAT= 60.0	U= 4.445 / 9.9	V= 4.807 / .9	W= .003826 / 5.3	T= .474 / 3.7
LAT= 66.0	U= 3.645 / 10.0	V= 3.658 / 1.0	W= .002449 / 6.2	T= .336 / 4.2
LAT= 72.0	U= 2.842 / 10.1	V= 2.876 / 1.1	W= .001514 / 6.4	T= .203 / 4.2
LAT= 78.0	U= 1.933 / 10.1	V= 1.872 / 1.2	W= .000598 / 5.6	T= .065 / 3.8
LAT= 84.0	U= .938 / 10.2	V= .870 / 1.4	W= .000157 / 3.9	T= .007 / 2.4

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 600 K

Z = 135.169 KM

LAT= 0.0	U= 7.077 / 9.4	V= 0.000 / 9.7	W= .066177 / 3.3	T= 5.320 / 1.0
LAT= 6.0	U= 7.035 / 9.3	V= 2.007 / 11.7	W= .064487 / 3.3	T= 5.178 / 1.1
LAT= 12.0	U= 7.000 / 9.3	V= 3.869 / 11.7	W= .059747 / 3.4	T= 4.732 / 1.1
LAT= 18.0	U= 6.969 / 9.3	V= 5.370 / 11.8	W= .052542 / 3.4	T= 4.219 / 1.3
LAT= 24.0	U= 6.885 / 9.2	V= 6.434 / 11.8	W= .043812 / 3.5	T= 3.542 / 1.4
LAT= 30.0	U= 6.729 / 9.2	V= 7.036 / 11.9	W= .034549 / 3.7	T= 2.843 / 1.7
LAT= 36.0	U= 6.511 / 9.2	V= 7.232 / 12.0	W= .025769 / 3.8	T= 2.204 / 2.0
LAT= 42.0	U= 6.205 / 9.2	V= 6.954 / 12.1	W= .018214 / 4.1	T= 1.666 / 2.3
LAT= 48.0	U= 5.782 / 9.3	V= 6.445 / 12.2	W= .012282 / 4.5	T= 1.233 / 2.7
LAT= 54.0	U= 5.236 / 9.4	V= 5.786 / 12.3	W= .008081 / 4.9	T= .898 / 3.1
LAT= 60.0	U= 4.587 / 9.5	V= 4.934 / 12.5	W= .005233 / 5.4	T= .626 / 3.4
LAT= 66.0	U= 3.804 / 9.6	V= 3.932 / 12.6	W= .003652 / 6.2	T= .445 / 3.8
LAT= 72.0	U= 2.984 / 9.6	V= 2.997 / 12.7	W= .002363 / 6.2	T= .262 / 3.8
LAT= 78.0	U= 2.018 / 9.7	V= 1.963 / 12.8	W= .000769 / 5.6	T= .086 / 3.6
LAT= 84.0	U= .982 / 9.8	V= .926 / 13.0	W= .000141 / 3.1	T= .008 / 3.7

Z = 141.772 KM

LAT= 0.0	U= 7.022 / 8.9	V= 0.000 / 9.2	W= .073458 / 3.0	T= 5.166 / 1.8
LAT= 6.0	U= 6.982 / 8.9	V= 2.001 / 11.2	W= .071544 / 3.0	T= 5.039 / 1.8
LAT= 12.0	U= 6.971 / 8.8	V= 3.823 / 11.2	W= .066222 / 3.0	T= 4.699 / 1.9
LAT= 18.0	U= 6.982 / 8.8	V= 5.315 / 11.3	W= .055199 / 3.1	T= 4.193 / 1.1
LAT= 24.0	U= 6.938 / 8.8	V= 6.392 / 11.3	W= .048548 / 3.3	T= 3.589 / 1.3
LAT= 30.0	U= 6.814 / 8.7	V= 6.999 / 11.4	W= .038387 / 3.4	T= 2.955 / 1.5
LAT= 36.0	U= 6.620 / 8.8	V= 7.142 / 11.6	W= .028847 / 3.7	T= 2.366 / 1.8
LAT= 42.0	U= 6.335 / 8.8	V= 7.022 / 11.7	W= .020714 / 4.0	T= 1.856 / 2.2
LAT= 48.0	U= 5.920 / 8.9	V= 6.563 / 11.8	W= .014374 / 4.4	T= 1.421 / 2.5
LAT= 54.0	U= 5.383 / 9.0	V= 5.895 / 11.9	W= .009884 / 4.9	T= 1.063 / 2.9
LAT= 60.0	U= 4.741 / 9.1	V= 5.073 / 12.1	W= .006694 / 5.4	T= .754 / 3.2
LAT= 66.0	U= 3.975 / 9.2	V= 4.143 / 12.2	W= .004856 / 6.1	T= .535 / 3.5
LAT= 72.0	U= 3.138 / 9.3	V= 3.135 / 12.3	W= .003072 / 6.1	T= .312 / 3.4
LAT= 78.0	U= 2.113 / 9.3	V= 2.067 / 12.4	W= .000926 / 5.6	T= .106 / 3.4
LAT= 84.0	U= 1.030 / 9.4	V= .951 / 12.7	W= .000111 / 2.2	T= .013 / 4.0

Z = 149.425 KM

LAT= 0.0	U= 6.861 / 8.5	V= 0.000 / 6.7	W= .080543 / 2.6	T= 4.931 / 1.6
LAT= 6.0	U= 6.829 / 8.4	V= 1.945 / 10.7	W= .078457 / 2.6	T= 4.822 / 1.7
LAT= 12.0	U= 6.849 / 8.4	V= 3.723 / 10.7	W= .072454 / 2.7	T= 4.531 / 1.8
LAT= 18.0	U= 6.910 / 8.4	V= 5.189 / 10.8	W= .053534 / 2.8	T= 4.036 / 1.9
LAT= 24.0	U= 6.920 / 8.4	V= 6.254 / 10.9	W= .042945 / 3.0	T= 3.571 / 1.2
LAT= 30.0	U= 6.840 / 8.4	V= 6.891 / 11.0	W= .031946 / 3.2	T= 3.010 / 1.4
LAT= 36.0	U= 6.684 / 8.4	V= 7.123 / 11.2	W= .021740 / 3.5	T= 2.476 / 1.7
LAT= 42.0	U= 6.424 / 8.5	V= 7.000 / 11.3	W= .023122 / 3.9	T= 1.996 / 2.1
LAT= 48.0	U= 6.076 / 8.5	V= 6.554 / 11.4	W= .016430 / 4.3	T= 1.567 / 2.4
LAT= 54.0	U= 5.502 / 8.6	V= 5.973 / 11.6	W= .011665 / 4.9	T= 1.193 / 2.7
LAT= 60.0	U= 4.870 / 8.8	V= 5.159 / 11.7	W= .008121 / 5.3	T= .856 / 3.0
LAT= 66.0	U= 4.124 / 9.0	V= 4.278 / 11.9	W= .005987 / 5.9	T= .607 / 3.3
LAT= 72.0	U= 3.273 / 8.9	V= 3.253 / 12.0	W= .003704 / 5.9	T= .352 / 3.2
LAT= 78.0	U= 2.202 / 9.0	V= 2.165 / 12.1	W= .001088 / 5.7	T= .125 / 3.2
LAT= 84.0	U= 1.076 / 9.1	V= 1.055 / 12.4	W= .000041 / 1.8	T= .020 / 3.9

Z = 158.420 KM

LAT= 0.0	U= 6.633 / 8.1	V= 0.000 / 6.8	W= .088035 / 2.2	T= 4.685 / 1.5
LAT= 6.0	U= 6.607 / 8.0	V= 1.677 / 10.3	W= .085527 / 2.3	T= 4.594 / 1.5
LAT= 12.0	U= 6.648 / 8.0	V= 3.597 / 10.3	W= .078730 / 2.3	T= 4.348 / 1.7
LAT= 18.0	U= 6.747 / 8.0	V= 5.026 / 10.4	W= .068807 / 2.5	T= 3.980 / 1.8
LAT= 24.0	U= 6.805 / 8.0	V= 6.081 / 10.5	W= .057227 / 2.7	T= 3.527 / 1.1
LAT= 30.0	U= 6.775 / 8.0	V= 6.732 / 10.6	W= .045385 / 2.9	T= 3.034 / 1.3
LAT= 36.0	U= 6.670 / 8.1	V= 6.909 / 10.8	W= .035425 / 3.3	T= 2.551 / 1.6
LAT= 42.0	U= 6.452 / 8.2	V= 6.926 / 11.0	W= .025419 / 3.7	T= 2.100 / 2.0
LAT= 48.0	U= 6.082 / 8.3	V= 6.577 / 11.1	W= .018361 / 4.2	T= 1.677 / 2.3
LAT= 54.0	U= 5.581 / 8.4	V= 6.010 / 11.3	W= .013312 / 4.7	T= 1.293 / 2.6
LAT= 60.0	U= 4.966 / 8.5	V= 5.270 / 11.4	W= .009419 / 5.2	T= .934 / 2.8
LAT= 66.0	U= 4.245 / 8.6	V= 4.363 / 11.6	W= .006975 / 5.7	T= .663 / 3.1
LAT= 72.0	U= 3.384 / 8.7	V= 3.367 / 11.7	W= .004217 / 5.7	T= .383 / 3.0
LAT= 78.0	U= 2.277 / 8.7	V= 2.249 / 11.8	W= .001247 / 5.7	T= .142 / 3.1
LAT= 84.0	U= 1.118 / 8.8	V= 1.112 / 12.2	W= .000120 / 8.2	T= .027 / 3.7

Table B1. Amplitude and Phase for the (2,2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 600$ K										
Z = 150.00 KM										
LAT= 0.0	U=	6.150	7.4	V=	0.000	1.7	W=	.102022	1.5	T= 4.371 / .3
LAT= 6.0	U=	6.132	7.3	V=	1.746	9.5	W=	.098882	1.6	T= 4.302 / .4
LAT= 12.0	U=	6.197	7.4	V=	3.338	9.6	W=	.090566	1.6	T= 4.122 / .5
LAT= 18.0	U=	6.344	7.4	V=	4.834	9.7	W=	.078747	1.8	T= 3.847 / .7
LAT= 24.0	U=	6.493	7.4	V=	5.213	9.9	W=	.065255	2.0	T= 3.496 / 1.0
LAT= 30.0	U=	6.578	7.5	V=	6.336	10.1	W=	.051708	2.3	T= 3.092 / 1.2
LAT= 36.0	U=	6.605	7.6	V=	6.721	10.2	W=	.039445	2.7	T= 2.675 / 1.5
LAT= 42.0	U=	6.498	7.7	V=	6.747	10.4	W=	.029123	3.2	T= 2.268 / 1.8
LAT= 48.0	U=	6.198	7.9	V=	6.518	10.6	W=	.021116	3.7	T= 1.843 / 2.1
LAT= 54.0	U=	5.745	7.9	V=	6.050	10.8	W=	.016452	4.3	T= 1.442 / 2.4
LAT= 60.0	U=	5.157	8.1	V=	5.338	11.0	W=	.011041	4.7	T= 1.048 / 2.6
LAT= 66.0	U=	4.473	8.2	V=	4.582	11.1	W=	.008129	5.2	T= .741 / 2.8
LAT= 72.0	U=	3.580	8.2	V=	3.545	11.3	W=	.004643	5.2	T= .427 / 2.8
LAT= 78.0	U=	2.410	8.3	V=	2.370	11.4	W=	.001292	5.9	T= .169 / 2.9
LAT= 84.0	U=	1.193	8.4	V=	1.205	11.8	W=	.000553	7.7	T= .040 / 3.3
Z = 201.965 KM										
LAT= 0.0	U=	5.895	6.9	V=	0.000	9.2	W=	.114704	.9	T= 4.323 / .3
LAT= 6.0	U=	5.890	6.9	V=	1.671	9.1	W=	.111152	.9	T= 4.264 / .3
LAT= 12.0	U=	5.974	6.9	V=	3.167	9.2	W=	.101879	1.0	T= 4.113 / .5
LAT= 18.0	U=	6.159	7.0	V=	4.492	9.3	W=	.098671	1.2	T= 3.877 / .7
LAT= 24.0	U=	6.382	7.1	V=	5.498	9.5	W=	.073374	1.4	T= 3.567 / .9
LAT= 30.0	U=	6.568	7.2	V=	6.193	9.7	W=	.057853	1.7	T= 3.196 / 1.2
LAT= 36.0	U=	6.708	7.3	V=	6.526	9.9	W=	.043515	2.0	T= 2.800 / 1.5
LAT= 42.0	U=	6.689	7.4	V=	6.707	10.1	W=	.031274	2.5	T= 2.391 / 1.7
LAT= 48.0	U=	6.443	7.5	V=	6.550	10.3	W=	.021688	3.0	T= 1.968 / 2.0
LAT= 54.0	U=	5.916	7.7	V=	6.163	10.5	W=	.015080	3.6	T= 1.549 / 2.3
LAT= 60.0	U=	5.401	7.8	V=	5.566	10.7	W=	.010465	4.1	T= 1.129 / 2.5
LAT= 66.0	U=	4.716	7.9	V=	4.755	10.9	W=	.007553	4.6	T= .796 / 2.7
LAT= 72.0	U=	3.772	8.0	V=	3.720	11.0	W=	.003992	4.6	T= .458 / 2.7
LAT= 78.0	U=	2.538	8.0	V=	2.517	11.2	W=	.001012	6.2	T= .188 / 2.8
LAT= 84.0	U=	1.262	8.2	V=	1.279	11.5	W=	.000903	7.7	T= .049 / 3.1
Z = 241.904 KM										
LAT= 0.0	U=	5.899	6.6	V=	0.000	5.3	W=	.130662	.3	T= 4.396 / .3
LAT= 6.0	U=	5.901	6.6	V=	1.625	8.9	W=	.126868	.4	T= 4.342 / .3
LAT= 12.0	U=	6.002	6.7	V=	3.125	9.0	W=	.116954	.4	T= 4.197 / .4
LAT= 18.0	U=	6.211	6.8	V=	4.412	9.1	W=	.102563	.6	T= 3.971 / .7
LAT= 24.0	U=	6.478	6.9	V=	5.433	9.3	W=	.085279	.8	T= 3.670 / .9
LAT= 30.0	U=	6.722	7.0	V=	6.175	9.5	W=	.057167	1.0	T= 3.302 / 1.2
LAT= 36.0	U=	6.922	7.1	V=	6.630	9.7	W=	.050020	1.3	T= 2.907 / 1.4
LAT= 42.0	U=	6.945	7.3	V=	6.794	10.0	W=	.035106	1.7	T= 2.492 / 1.7
LAT= 48.0	U=	6.704	7.4	V=	6.683	10.2	W=	.023108	2.1	T= 2.057 / 2.0
LAT= 54.0	U=	6.260	7.5	V=	6.329	10.4	W=	.014515	2.6	T= 1.623 / 2.2
LAT= 60.0	U=	5.642	7.7	V=	5.750	10.6	W=	.009135	3.1	T= 1.184 / 2.4
LAT= 66.0	U=	4.930	7.8	V=	4.938	10.8	W=	.006208	3.6	T= .833 / 2.7
LAT= 72.0	U=	3.941	7.9	V=	3.876	10.9	W=	.003083	3.3	T= .479 / 2.7
LAT= 78.0	U=	2.649	7.9	V=	2.626	11.1	W=	.000290	8.4	T= .200 / 2.8
LAT= 84.0	U=	1.319	8.1	V=	1.336	11.4	W=	.001078	7.9	T= .054 / 3.0
Z = 272.801 KM										
LAT= 0.0	U=	6.004	6.5	V=	0.000	4.7	W=	.152506	11.9	T= 4.510 / .3
LAT= 6.0	U=	6.012	6.5	V=	1.022	8.8	W=	.148498	11.9	T= 4.455 / .3
LAT= 12.0	U=	6.123	6.6	V=	3.125	8.9	W=	.138032	.0	T= 4.311 / .4
LAT= 18.0	U=	6.348	6.7	V=	4.424	9.0	W=	.122476	.1	T= 4.083 / .6
LAT= 24.0	U=	6.630	6.8	V=	5.470	9.2	W=	.103105	.3	T= 3.779 / .9
LAT= 30.0	U=	6.910	6.9	V=	6.243	9.4	W=	.082171	.5	T= 3.406 / 1.2
LAT= 36.0	U=	7.137	7.0	V=	6.731	9.7	W=	.061974	.7	T= 3.002 / 1.4
LAT= 42.0	U=	7.177	7.2	V=	6.924	9.9	W=	.044186	.9	T= 2.577 / 1.7
LAT= 48.0	U=	6.937	7.3	V=	6.835	10.1	W=	.029514	1.1	T= 2.130 / 2.0
LAT= 54.0	U=	6.460	7.5	V=	6.413	10.3	W=	.018307	1.4	T= 1.681 / 2.2
LAT= 60.0	U=	5.839	7.6	V=	5.915	10.5	W=	.010988	1.7	T= 1.227 / 2.4
LAT= 66.0	U=	5.112	7.8	V=	5.094	10.7	W=	.006987	2.0	T= .863 / 2.6
LAT= 72.0	U=	4.075	7.8	V=	4.002	10.8	W=	.003988	1.6	T= .496 / 2.6
LAT= 78.0	U=	2.738	7.9	V=	2.713	11.0	W=	.001307	11.2	T= .208 / 2.8
LAT= 84.0	U=	1.364	8.0	V=	1.378	11.3	W=	.001169	8.3	T= .056 / 3.0

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 600$ K										
$Z = 304.762$ KM										
LAT= 0.0	U=	6.133 / 6.5	V=	0.000 / 4.4	W=	.180757 / 11.5	T=	4.636 / .3		
LAT= 6.0	U=	6.143 / 6.5	V=	1.635 / 8.7	W=	.176524 / 11.6	T=	4.580 / .3		
LAT= 12.0	U=	6.262 / 6.5	V=	3.195 / 8.8	W=	.165474 / 11.6	T=	4.433 / .4		
LAT= 18.0	U=	6.496 / 6.6	V=	4.476 / 9.0	W=	.148663 / 11.7	T=	4.200 / .6		
LAT= 24.0	U=	6.801 / 6.7	V=	5.546 / 9.2	W=	.127097 / 11.9	T=	3.890 / .9		
LAT= 30.0	U=	7.086 / 6.9	V=	6.344 / 9.4	W=	.103195 / .0	T=	3.508 / 1.1		
LAT= 36.0	U=	7.326 / 7.0	V=	6.853 / 9.6	W=	.079806 / .2	T=	3.094 / 1.4		
LAT= 42.0	U=	7.374 / 7.2	V=	7.063 / 9.9	W=	.058979 / .4	T=	2.657 / 1.7		
LAT= 48.0	U=	7.130 / 7.3	V=	6.963 / 10.1	W=	.041404 / .5	T=	2.196 / 2.0		
LAT= 54.0	U=	6.661 / 7.5	V=	6.643 / 10.3	W=	.027316 / .7	T=	1.733 / 2.2		
LAT= 60.0	U=	6.001 / 7.6	V=	6.059 / 10.5	W=	.017280 / .8	T=	1.265 / 2.4		
LAT= 66.0	U=	5.254 / 7.7	V=	5.225 / 10.7	W=	.011195 / 1.1	T=	.890 / 2.6		
LAT= 72.0	U=	4.186 / 7.8	V=	4.109 / 10.8	W=	.006895 / .8	T=	.512 / 2.6		
LAT= 78.0	U=	2.811 / 7.9	V=	2.785 / 11.0	W=	.002875 / 11.5	T=	.215 / 2.8		
LAT= 84.0	U=	1.401 / 8.0	V=	1.414 / 11.3	W=	.001273 / 8.7	T=	.058 / 3.0		
$Z = 336.754$ KM										
LAT= 0.0	U=	6.262 / 6.4	V=	0.000 / 4.4	W=	.215110 / 11.3	T=	4.763 / .3		
LAT= 6.0	U=	6.273 / 6.5	V=	1.656 / 8.7	W=	.210617 / 11.3	T=	4.705 / .3		
LAT= 12.0	U=	6.398 / 6.5	V=	3.199 / 8.8	W=	.198875 / 11.3	T=	4.555 / .4		
LAT= 18.0	U=	6.639 / 6.6	V=	4.544 / 9.0	W=	.180630 / 11.4	T=	4.317 / .6		
LAT= 24.0	U=	6.954 / 6.7	V=	5.638 / 9.2	W=	.156647 / 11.6	T=	3.998 / .9		
LAT= 30.0	U=	7.249 / 6.8	V=	6.456 / 9.4	W=	.129495 / 11.7	T=	3.607 / 1.1		
LAT= 36.0	U=	7.496 / 7.0	V=	6.982 / 9.6	W=	.102588 / 11.9	T=	3.130 / 1.4		
LAT= 42.0	U=	7.546 / 7.2	V=	7.202 / 9.8	W=	.078295 / .0	T=	2.732 / 1.7		
LAT= 48.0	U=	7.298 / 7.3	V=	7.127 / 10.1	W=	.057264 / .1	T=	2.259 / 2.0		
LAT= 54.0	U=	6.819 / 7.4	V=	6.784 / 10.3	W=	.039708 / .2	T=	1.783 / 2.2		
LAT= 60.0	U=	6.142 / 7.6	V=	6.191 / 10.5	W=	.026215 / .4	T=	1.302 / 2.4		
LAT= 66.0	U=	5.378 / 7.7	V=	5.342 / 10.7	W=	.017378 / .6	T=	.916 / 2.6		
LAT= 72.0	U=	4.282 / 7.8	V=	4.202 / 10.8	W=	.010753 / .4	T=	.526 / 2.6		
LAT= 78.0	U=	2.876 / 7.8	V=	2.849 / 11.0	W=	.004673 / 11.5	T=	.222 / 2.8		
LAT= 84.0	U=	1.433 / 8.0	V=	1.447 / 11.3	W=	.001455 / 9.2	T=	.060 / 3.0		
$Z = 368.753$ KM										
LAT= 0.0	U=	6.389 / 6.4	V=	0.000 / 4.3	W=	.254368 / 11.0	T=	4.882 / .3		
LAT= 6.0	U=	6.401 / 6.4	V=	1.683 / 8.7	W=	.249576 / 11.1	T=	4.823 / .3		
LAT= 12.0	U=	6.529 / 6.5	V=	3.252 / 8.8	W=	.237034 / 11.1	T=	4.670 / .4		
LAT= 18.0	U=	6.776 / 6.6	V=	4.623 / 9.0	W=	.217175 / 11.2	T=	4.426 / .6		
LAT= 24.0	U=	7.099 / 6.7	V=	5.739 / 9.2	W=	.190541 / 11.4	T=	4.100 / .9		
LAT= 30.0	U=	7.400 / 6.8	V=	6.576 / 9.4	W=	.159839 / 11.5	T=	3.699 / 1.1		
LAT= 36.0	U=	7.654 / 7.0	V=	7.113 / 9.6	W=	.129050 / 11.6	T=	3.262 / 1.4		
LAT= 42.0	U=	7.705 / 7.1	V=	7.340 / 9.8	W=	.100834 / 11.8	T=	2.802 / 1.7		
LAT= 48.0	U=	7.452 / 7.2	V=	7.268 / 10.1	W=	.075798 / 11.9	T=	2.317 / 2.0		
LAT= 54.0	U=	6.963 / 7.4	V=	6.920 / 10.3	W=	.054214 / .0	T=	1.829 / 2.2		
LAT= 60.0	U=	6.272 / 7.6	V=	6.318 / 10.5	W=	.036699 / .1	T=	1.336 / 2.4		
LAT= 66.0	U=	5.493 / 7.7	V=	5.452 / 10.7	W=	.024664 / .3	T=	.940 / 2.6		
LAT= 72.0	U=	4.373 / 7.8	V=	4.289 / 10.8	W=	.015157 / .2	T=	.540 / 2.6		
LAT= 78.0	U=	2.936 / 7.8	V=	2.907 / 11.0	W=	.006645 / 11.6	T=	.227 / 2.8		
LAT= 84.0	U=	1.464 / 8.0	V=	1.476 / 11.3	W=	.001728 / 9.6	T=	.062 / 3.0		
$Z = 400.733$ KM										
LAT= 0.0	U=	6.514 / 6.4	V=	0.000 / 4.3	W=	.296078 / 10.9	T=	4.994 / .3		
LAT= 6.0	U=	6.526 / 6.4	V=	1.713 / 8.7	W=	.290980 / 10.9	T=	4.934 / .3		
LAT= 12.0	U=	6.657 / 6.5	V=	3.310 / 8.8	W=	.277610 / 10.9	T=	4.777 / .4		
LAT= 18.0	U=	6.910 / 6.6	V=	4.707 / 8.9	W=	.256090 / 11.1	T=	4.527 / .6		
LAT= 24.0	U=	7.240 / 6.7	V=	5.845 / 9.1	W=	.226750 / 11.2	T=	4.194 / .9		
LAT= 30.0	U=	7.548 / 6.8	V=	6.699 / 9.4	W=	.192405 / 11.3	T=	3.783 / 1.1		
LAT= 36.0	U=	7.806 / 7.0	V=	7.249 / 9.6	W=	.157586 / 11.5	T=	3.337 / 1.4		
LAT= 42.0	U=	7.859 / 7.1	V=	7.460 / 9.8	W=	.125214 / 11.6	T=	2.867 / 1.7		
LAT= 48.0	U=	7.601 / 7.3	V=	7.408 / 10.1	W=	.095869 / 11.7	T=	2.370 / 2.0		
LAT= 54.0	U=	7.102 / 7.4	V=	7.055 / 10.3	W=	.069936 / 11.9	T=	1.871 / 2.2		
LAT= 60.0	U=	6.396 / 7.6	V=	6.441 / 10.5	W=	.048074 / .0	T=	1.366 / 2.4		
LAT= 66.0	U=	5.601 / 7.7	V=	5.560 / 10.7	W=	.032581 / .2	T=	.961 / 2.6		
LAT= 72.0	U=	4.459 / 7.8	V=	4.374 / 10.8	W=	.019877 / .1	T=	.552 / 2.6		
LAT= 78.0	U=	2.994 / 7.8	V=	2.965 / 11.0	W=	.008723 / 11.6	T=	.232 / 2.8		
LAT= 84.0	U=	1.493 / 8.0	V=	1.505 / 11.3	W=	.002073 / 10.0	T=	.063 / 3.0		

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 800 K

Z = 100.017 KM

LAT= 0.0	U= 2.621 / .8	V= 0.000 / 11.7	W= .005962 / 5.7	T= 1.000 / 6.0
LAT= 6.0	U= 2.660 / .8	V= .930 / 3.8	W= .005738 / 5.7	T= .976 / 6.0
LAT= 12.0	U= 2.771 / .8	V= 1.778 / 3.8	W= .005117 / 5.7	T= .910 / 6.1
LAT= 18.0	U= 2.916 / .8	V= 2.481 / 3.8	W= .004194 / 5.7	T= .810 / 6.1
LAT= 24.0	U= 3.061 / .8	V= 3.001 / 3.8	W= .003141 / 5.6	T= .691 / 6.2
LAT= 30.0	U= 3.164 / .8	V= 3.323 / 3.8	W= .002123 / 6.1	T= .565 / 6.3
LAT= 36.0	U= 3.195 / .9	V= 3.453 / 3.9	W= .001291 / 6.5	T= .439 / 6.4
LAT= 42.0	U= 3.138 / .9	V= 3.411 / 3.9	W= .000750 / 7.2	T= .323 / 6.5
LAT= 48.0	U= 2.985 / .9	V= 3.221 / 3.9	W= .000505 / 8.3	T= .222 / 6.6
LAT= 54.0	U= 2.738 / .8	V= 2.913 / 3.8	W= .000412 / 9.3	T= .141 / 6.7
LAT= 60.0	U= 2.405 / .8	V= 2.517 / 3.8	W= .000324 / 9.7	T= .080 / 6.7
LAT= 66.0	U= 1.988 / .8	V= 2.061 / 3.8	W= .000225 / 10.7	T= .038 / 7.3
LAT= 72.0	U= 1.551 / .8	V= 1.563 / 3.8	W= .000128 / 10.8	T= .018 / 7.1
LAT= 78.0	U= 1.060 / .8	V= 1.038 / 3.8	W= .000145 / 9.7	T= .014 / 6.5
LAT= 84.0	U= .519 / .8	V= .500 / 3.9	W= .000042 / 9.3	T= .005 / 6.0

Z = 103.521 KM

LAT= 0.0	U= 3.070 / .7	V= 0.000 / 5.4	W= .009045 / 5.5	T= 1.121 / 5.5
LAT= 6.0	U= 3.110 / .7	V= 1.042 / 3.6	W= .008745 / 5.5	T= 1.038 / 5.6
LAT= 12.0	U= 3.224 / .7	V= 2.002 / 3.6	W= .007910 / 5.5	T= 1.033 / 5.6
LAT= 18.0	U= 3.377 / .7	V= 2.608 / 3.6	W= .006661 / 5.6	T= .930 / 5.7
LAT= 24.0	U= 3.534 / .7	V= 3.422 / 3.7	W= .005207 / 5.7	T= .799 / 5.7
LAT= 30.0	U= 3.654 / .8	V= 3.624 / 3.7	W= .003740 / 5.9	T= .651 / 5.9
LAT= 36.0	U= 3.706 / .8	V= 4.015 / 3.8	W= .002427 / 6.0	T= .500 / 6.0
LAT= 42.0	U= 3.666 / .8	V= 4.007 / 3.8	W= .001378 / 6.3	T= .359 / 6.1
LAT= 48.0	U= 3.515 / .8	V= 3.820 / 3.8	W= .000631 / 6.6	T= .236 / 6.3
LAT= 54.0	U= 3.249 / .8	V= 3.460 / 3.8	W= .000167 / 7.4	T= .141 / 6.6
LAT= 60.0	U= 2.873 / .8	V= 3.020 / 3.8	W= .000073 / 11.4	T= .073 / 6.8
LAT= 66.0	U= 2.386 / .9	V= 2.479 / 3.8	W= .000200 / .6	T= .036 / 8.0
LAT= 72.0	U= 1.864 / .8	V= 1.883 / 3.8	W= .000167 / 1.1	T= .016 / 8.5
LAT= 78.0	U= 1.276 / .8	V= 1.250 / 3.8	W= .000082 / 10.9	T= .012 / 7.1
LAT= 84.0	U= .626 / .8	V= .603 / 2.9	W= .000039 / 9.3	T= .005 / 6.1

Z = 107.177 KM

LAT= 0.0	U= 3.647 / .6	V= 0.000 / 5.3	W= .013668 / 5.3	T= 1.404 / 4.8
LAT= 6.0	U= 3.688 / .6	V= 1.131 / 3.5	W= .013294 / 5.3	T= 1.378 / 4.8
LAT= 12.0	U= 3.810 / .6	V= 2.205 / 3.5	W= .012239 / 5.4	T= 1.300 / 4.8
LAT= 18.0	U= 3.985 / .6	V= 3.165 / 3.5	W= .010629 / 5.4	T= 1.173 / 4.9
LAT= 24.0	U= 4.182 / .6	V= 3.955 / 3.5	W= .008677 / 5.5	T= 1.004 / 4.9
LAT= 30.0	U= 4.357 / .6	V= 4.526 / 3.5	W= .006594 / 5.6	T= .803 / 5.0
LAT= 36.0	U= 4.459 / .6	V= 4.841 / 3.6	W= .004601 / 5.6	T= .592 / 5.1
LAT= 42.0	U= 4.444 / .6	V= 4.889 / 3.6	W= .002883 / 5.6	T= .394 / 5.3
LAT= 48.0	U= 4.278 / .6	V= 4.683 / 3.6	W= .001569 / 5.4	T= .229 / 5.6
LAT= 54.0	U= 3.954 / .6	V= 4.261 / 3.6	W= .000719 / 4.8	T= .112 / 6.1
LAT= 60.0	U= 3.481 / .6	V= 3.677 / 3.6	W= .000411 / 3.4	T= .045 / 7.0
LAT= 66.0	U= 2.867 / .7	V= 2.992 / 3.6	W= .000358 / 2.0	T= .042 / 9.2
LAT= 72.0	U= 2.220 / .6	V= 2.249 / 3.6	W= .000331 / 1.8	T= .032 / 10.0
LAT= 78.0	U= 1.514 / .6	V= 1.478 / 3.7	W= .000085 / 1.4	T= .008 / 8.7
LAT= 84.0	U= .741 / .7	V= .701 / 3.7	W= .000024 / 8.7	T= .005 / 5.7

Z = 111.019 KM

LAT= 0.0	U= 4.470 / .2	V= 0.000 / 5.1	W= .020797 / 5.1	T= 2.000 / 3.8
LAT= 6.0	U= 4.512 / .2	V= 1.354 / 3.2	W= .020279 / 5.1	T= 2.143 / 3.8
LAT= 12.0	U= 4.636 / .2	V= 2.640 / 3.1	W= .018206 / 5.1	T= 1.908 / 3.8
LAT= 18.0	U= 4.812 / .2	V= 3.790 / 3.1	W= .016528 / 5.1	T= 1.754 / 3.8
LAT= 24.0	U= 5.010 / .2	V= 4.730 / 3.1	W= .013721 / 5.2	T= 1.481 / 3.9
LAT= 30.0	U= 5.174 / .2	V= 5.307 / 3.1	W= .010672 / 5.2	T= 1.110 / 3.9
LAT= 36.0	U= 5.252 / .2	V= 5.743 / 3.1	W= .007701 / 5.1	T= .777 / 4.0
LAT= 42.0	U= 5.190 / .2	V= 5.750 / 3.1	W= .005085 / 5.0	T= .478 / 4.1
LAT= 48.0	U= 4.952 / .2	V= 5.464 / 3.2	W= .003024 / 4.9	T= .240 / 4.2
LAT= 54.0	U= 4.532 / .2	V= 4.920 / 3.2	W= .001595 / 4.4	T= .080 / 4.5
LAT= 60.0	U= 3.956 / .2	V= 4.138 / 3.2	W= .000870 / 3.6	T= .010 / 4.1
LAT= 66.0	U= 3.217 / .3	V= 3.390 / 3.2	W= .000472 / 2.3	T= .06 / 3.5
LAT= 72.0	U= 2.472 / .2	V= 2.518 / 3.3	W= .000403 / 1.8	T= .002 / 4.6
LAT= 78.0	U= 1.687 / .2	V= 1.636 / 3.3	W= .000136 / 2.3	T= .011 / 5.0
LAT= 84.0	U= .821 / .3	V= .760 / 3.4	W= .000022 / 4.9	T= .003 / 4.4

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

Z = 115.091 KM										$T_0 = 800$ K	
LAT=	0.0	U=	5.231 / 11.7	V=	0.000 / 4.6	W=	.030058 / 4.8	T=	3.565 / 2.8		
LAT=	6.0	U=	5.263 / 11.7	V=	1.537 / 2.5	W=	.029305 / 4.8	T=	3.463 / 2.9		
LAT=	12.0	U=	5.359 / 11.7	V=	3.038 / 2.5	W=	.027169 / 4.8	T=	3.175 / 2.9		
LAT=	18.0	U=	5.491 / 11.7	V=	4.318 / 2.5	W=	.023693 / 4.8	T=	2.740 / 2.9		
LAT=	24.0	U=	5.625 / 11.6	V=	5.327 / 2.5	W=	.019833 / 4.8	T=	2.215 / 2.9		
LAT=	30.0	U=	5.715 / 11.6	V=	5.955 / 2.5	W=	.015560 / 4.7	T=	1.663 / 2.9		
LAT=	36.0	U=	5.711 / 11.6	V=	6.333 / 2.5	W=	.011362 / 4.7	T=	1.143 / 3.0		
LAT=	42.0	U=	5.565 / 11.6	V=	6.238 / 2.5	W=	.007654 / 4.6	T=	.701 / 3.0		
LAT=	48.0	U=	5.248 / 11.6	V=	5.851 / 2.6	W=	.004674 / 4.5	T=	.382 / 3.1		
LAT=	54.0	U=	4.755 / 11.6	V=	5.212 / 2.6	W=	.002509 / 4.3	T=	.135 / 3.4		
LAT=	60.0	U=	4.122 / 11.6	V=	4.406 / 2.7	W=	.001237 / 3.9	T=	.015 / 4.4		
LAT=	66.0	U=	3.322 / 11.7	V=	3.521 / 2.7	W=	.000365 / 3.0	T=	.063 / 8.2		
LAT=	72.0	U=	2.552 / 11.7	V=	2.608 / 2.7	W=	.000265 / 1.7	T=	.051 / 8.6		
LAT=	78.0	U=	1.742 / 11.7	V=	1.665 / 2.8	W=	.000156 / 2.9	T=	.009 / 9.7		
LAT=	84.0	U=	.845 / 11.8	V=	.771 / 2.9	W=	.000069 / 3.6	T=	.005 / 1.8		
Z = 119.451 KM											
LAT=	0.0	U=	5.734 / 11.0	V=	0.000 / 4.4	W=	.040104 / 4.4	T=	5.016 / 2.1		
LAT=	6.0	U=	5.750 / 11.0	V=	1.711 / 1.7	W=	.039087 / 4.4	T=	4.865 / 2.1		
LAT=	12.0	U=	5.804 / 11.0	V=	3.240 / 1.7	W=	.036209 / 4.4	T=	4.445 / 2.1		
LAT=	18.0	U=	5.874 / 11.0	V=	4.642 / 1.7	W=	.031827 / 4.4	T=	3.819 / 2.2		
LAT=	24.0	U=	5.930 / 11.0	V=	5.659 / 1.7	W=	.026495 / 4.4	T=	3.077 / 2.2		
LAT=	30.0	U=	5.936 / 10.9	V=	6.294 / 1.8	W=	.020788 / 4.4	T=	2.312 / 2.3		
LAT=	36.0	U=	5.851 / 10.9	V=	6.500 / 1.8	W=	.015274 / 4.4	T=	1.608 / 2.3		
LAT=	42.0	U=	5.625 / 10.9	V=	6.390 / 1.8	W=	.010406 / 4.4	T=	1.022 / 2.5		
LAT=	48.0	U=	5.264 / 10.9	V=	5.924 / 1.9	W=	.006457 / 4.4	T=	.577 / 2.6		
LAT=	54.0	U=	4.739 / 11.0	V=	5.243 / 2.0	W=	.003544 / 4.4	T=	.282 / 3.1		
LAT=	60.0	U=	4.091 / 11.0	V=	4.403 / 2.0	W=	.001684 / 4.3	T=	.113 / 3.7		
LAT=	66.0	U=	3.286 / 11.1	V=	3.502 / 2.1	W=	.000510 / 5.4	T=	.096 / 5.7		
LAT=	72.0	U=	2.529 / 11.1	V=	2.586 / 2.1	W=	.000150 / 5.8	T=	.057 / 6.1		
LAT=	78.0	U=	1.723 / 11.1	V=	1.666 / 2.2	W=	.000176 / 4.6	T=	.006 / 4.1		
LAT=	84.0	U=	.833 / 11.2	V=	.757 / 2.4	W=	.000108 / 3.6	T=	.009 / 1.0		
Z = 124.175 KM											
LAT=	0.0	U=	6.091 / 10.4	V=	0.000 / 4.1	W=	.049979 / 4.0	T=	6.068 / 1.5		
LAT=	6.0	U=	6.090 / 10.4	V=	1.830 / 1.9	W=	.048719 / 4.0	T=	5.889 / 1.5		
LAT=	12.0	U=	6.108 / 10.3	V=	3.508 / 1.9	W=	.045162 / 4.0	T=	5.392 / 1.6		
LAT=	18.0	U=	6.128 / 10.3	V=	4.901 / 1.0	W=	.039746 / 4.1	T=	4.653 / 1.6		
LAT=	24.0	U=	6.126 / 10.3	V=	5.916 / 1.0	W=	.033154 / 4.1	T=	3.778 / 1.7		
LAT=	30.0	U=	6.070 / 10.2	V=	6.509 / 1.1	W=	.026100 / 4.1	T=	2.878 / 1.8		
LAT=	36.0	U=	5.929 / 10.2	V=	6.682 / 1.1	W=	.019296 / 4.1	T=	2.053 / 1.9		
LAT=	42.0	U=	5.670 / 10.2	V=	6.479 / 1.2	W=	.013302 / 4.2	T=	1.369 / 2.1		
LAT=	48.0	U=	5.267 / 10.3	V=	5.972 / 1.2	W=	.008433 / 4.3	T=	.847 / 2.4		
LAT=	54.0	U=	4.727 / 10.3	V=	5.251 / 1.3	W=	.004864 / 4.6	T=	.499 / 2.9		
LAT=	60.0	U=	4.077 / 10.4	V=	4.397 / 1.4	W=	.002477 / 4.8	T=	.273 / 3.4		
LAT=	66.0	U=	3.285 / 10.5	V=	3.491 / 1.5	W=	.001344 / 6.0	T=	.208 / 4.4		
LAT=	72.0	U=	2.533 / 10.5	V=	2.576 / 1.5	W=	.000713 / 6.3	T=	.115 / 4.5		
LAT=	78.0	U=	1.717 / 10.5	V=	1.659 / 1.6	W=	.000276 / 4.9	T=	.029 / 3.5		
LAT=	84.0	U=	.829 / 10.6	V=	.757 / 1.8	W=	.000132 / 3.4	T=	.011 / .7		
Z = 129.367 KM											
LAT=	0.0	U=	6.365 / 9.8	V=	0.000 / 3.6	W=	.059079 / 3.7	T=	6.595 / 1.1		
LAT=	6.0	U=	6.354 / 9.8	V=	1.933 / 1.2	W=	.057622 / 3.7	T=	6.411 / 1.1		
LAT=	12.0	U=	6.355 / 9.7	V=	3.693 / 1.2	W=	.053510 / 3.7	T=	5.902 / 1.2		
LAT=	18.0	U=	6.355 / 9.7	V=	5.131 / 1.3	W=	.047227 / 3.7	T=	5.143 / 1.2		
LAT=	24.0	U=	6.326 / 9.6	V=	6.152 / 1.3	W=	.039534 / 3.7	T=	4.236 / 1.3		
LAT=	30.0	U=	6.241 / 9.6	V=	6.719 / 1.4	W=	.031268 / 3.8	T=	3.296 / 1.5		
LAT=	36.0	U=	6.073 / 9.6	V=	6.852 / 1.4	W=	.023293 / 3.9	T=	2.428 / 1.7		
LAT=	42.0	U=	5.792 / 9.6	V=	6.609 / 1.5	W=	.016284 / 4.0	T=	1.703 / 1.9		
LAT=	48.0	U=	5.369 / 9.6	V=	6.074 / 1.6	W=	.010603 / 4.3	T=	1.136 / 2.2		
LAT=	54.0	U=	4.821 / 9.7	V=	5.337 / 1.7	W=	.006491 / 4.6	T=	.742 / 2.7		
LAT=	60.0	U=	4.164 / 9.7	V=	4.478 / 1.8	W=	.003629 / 5.0	T=	.455 / 3.1		
LAT=	66.0	U=	3.383 / 9.9	V=	3.561 / 1.8	W=	.002460 / 5.9	T=	.342 / 3.7		
LAT=	72.0	U=	2.614 / 9.9	V=	2.633 / 1.9	W=	.001391 / 6.1	T=	.188 / 3.7		
LAT=	78.0	U=	1.762 / 9.9	V=	1.701 / 1.0	W=	.000433 / 5.1	T=	.052 / 3.2		
LAT=	84.0	U=	.851 / 10.0	V=	.783 / 1.2	W=	.000145 / 3.1	T=	.009 / .8		

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 800$ K										
Z = 135.169 KM										
LAT= 0.0	U= 6.546 / 9.2	V= 0.000 / 9.5	W= .067070 / 3.2	T= 6.710 / .7						
LAT= 6.0	U= 6.533 / 9.2	V= 1.996 / 11.6	W= .065453 / 3.3	T= 6.537 / .7						
LAT= 12.0	U= 6.542 / 9.1	V= 3.809 / 11.6	W= .060891 / 3.3	T= 6.060 / .8						
LAT= 18.0	U= 6.559 / 9.1	V= 5.242 / 11.6	W= .053893 / 3.3	T= 5.345 / .9						
LAT= 24.0	U= 6.541 / 9.0	V= 6.318 / 11.7	W= .045282 / 3.4	T= 4.482 / 1.0						
LAT= 30.0	U= 6.456 / 9.0	V= 6.886 / 11.8	W= .035996 / 3.5	T= 3.574 / 1.2						
LAT= 36.0	U= 6.204 / 8.9	V= 7.014 / 11.8	W= .027047 / 3.7	T= 2.723 / 1.4						
LAT= 42.0	U= 5.995 / 9.0	V= 6.756 / 11.9	W= .019211 / 3.9	T= 1.996 / 1.7						
LAT= 48.0	U= 5.558 / 9.0	V= 6.229 / 0.0	W= .012870 / 4.2	T= 1.407 / 2.0						
LAT= 54.0	U= 5.000 / 9.1	V= 5.496 / .1	W= .008313 / 4.6	T= .975 / 2.4						
LAT= 60.0	U= 4.333 / 9.2	V= 4.634 / .2	W= .004985 / 5.0	T= .631 / 2.8						
LAT= 66.0	U= 3.562 / 9.3	V= 3.706 / .3	W= .003669 / 5.8	T= .472 / 3.2						
LAT= 72.0	U= 2.758 / 9.4	V= 2.752 / .4	W= .002080 / 5.8	T= .256 / 3.2						
LAT= 78.0	U= 1.846 / 9.4	V= 1.784 / .5	W= .000593 / 5.1	T= .074 / 3.0						
LAT= 84.0	U= .893 / 9.5	V= .831 / .8	W= .000158 / 2.5	T= .006 / .6						
Z = 141.772 KM										
LAT= 0.0	U= 6.622 / 9.6	V= 0.000 / 8.9	W= .074145 / 2.8	T= 6.550 / .4						
LAT= 6.0	U= 6.614 / 8.6	V= 2.003 / 11.0	W= .072366 / 2.8	T= 6.397 / .4						
LAT= 12.0	U= 6.650 / 8.6	V= 3.824 / 11.0	W= .067364 / 2.9	T= 5.975 / .4						
LAT= 18.0	U= 6.710 / 8.5	V= 5.309 / 11.1	W= .059701 / 3.0	T= 5.340 / .6						
LAT= 24.0	U= 6.724 / 8.5	V= 6.363 / 11.1	W= .050278 / 3.1	T= 4.561 / .7						
LAT= 30.0	U= 6.655 / 8.4	V= 6.956 / 11.2	W= .040146 / 3.3	T= 3.726 / .9						
LAT= 36.0	U= 6.488 / 8.4	V= 7.112 / 11.3	W= .030444 / 3.5	T= 2.930 / 1.2						
LAT= 42.0	U= 6.198 / 8.4	V= 6.893 / 11.4	W= .022003 / 3.7	T= 2.230 / 1.5						
LAT= 48.0	U= 5.752 / 8.5	V= 6.384 / 11.5	W= .015168 / 4.1	T= 1.636 / 1.8						
LAT= 54.0	U= 5.190 / 8.6	V= 5.671 / 11.6	W= .010242 / 4.5	T= 1.176 / 2.2						
LAT= 60.0	U= 4.517 / 8.7	V= 4.818 / 11.7	W= .006448 / 4.9	T= .786 / 2.5						
LAT= 66.0	U= 3.758 / 8.8	V= 3.882 / 11.8	W= .004897 / 5.5	T= .582 / 2.8						
LAT= 72.0	U= 2.918 / 8.9	V= 2.897 / 11.9	W= .002755 / 5.5	T= .314 / 2.7						
LAT= 78.0	U= 1.943 / 8.9	V= 1.844 / 0.0	W= .000764 / 4.9	T= .095 / 2.6						
LAT= 84.0	U= .939 / 9.0	V= .890 / .4	W= .000164 / 1.9	T= .005 / 1.9						
Z = 149.425 KM										
LAT= 0.0	U= 6.590 / 8.1	V= 0.000 / 8.4	W= .080921 / 2.4	T= 6.220 / 0.0						
LAT= 6.0	U= 6.587 / 8.1	V= 1.954 / 10.4	W= .078942 / 2.4	T= 6.088 / 0.0						
LAT= 12.0	U= 6.648 / 8.1	V= 3.738 / 10.5	W= .073416 / 2.5	T= 5.728 / .1						
LAT= 18.0	U= 6.748 / 8.0	V= 5.206 / 10.5	W= .065021 / 2.6	T= 5.184 / .3						
LAT= 24.0	U= 6.790 / 8.0	V= 6.266 / 10.6	W= .054793 / 2.7	T= 4.509 / .4						
LAT= 30.0	U= 6.735 / 8.0	V= 6.886 / 10.7	W= .043911 / 2.9	T= 3.769 / .7						
LAT= 36.0	U= 6.575 / 8.0	V= 7.095 / 10.8	W= .033618 / 3.2	T= 3.050 / .9						
LAT= 42.0	U= 6.294 / 8.0	V= 6.915 / 10.9	W= .024749 / 3.5	T= 2.397 / 1.2						
LAT= 48.0	U= 5.852 / 8.1	V= 6.453 / 11.0	W= .017552 / 3.9	T= 1.813 / 1.5						
LAT= 54.0	U= 5.298 / 8.2	V= 5.779 / 11.1	W= .012308 / 4.3	T= 1.337 / 1.9						
LAT= 60.0	U= 4.635 / 8.2	V= 4.951 / 11.3	W= .008040 / 4.7	T= .911 / 2.1						
LAT= 66.0	U= 3.904 / 8.4	V= 4.019 / 11.4	W= .006170 / 5.2	T= .671 / 2.4						
LAT= 72.0	U= 3.043 / 8.4	V= 3.016 / 11.5	W= .003457 / 5.1	T= .362 / 2.3						
LAT= 78.0	U= 2.023 / 8.5	V= 1.971 / 11.6	W= .000981 / 4.8	T= .116 / 2.3						
LAT= 84.0	U= .980 / 8.6	V= .946 / 0.0	W= .000133 / 1.6	T= .009 / 2.6						
Z = 158.420 KM										
LAT= 0.0	U= 6.438 / 7.6	V= 0.000 / 6.2	W= .097929 / 1.9	T= 5.803 / 11.7						
LAT= 6.0	U= 6.433 / 7.6	V= 1.864 / 9.9	W= .085706 / 2.0	T= 5.693 / 11.7						
LAT= 12.0	U= 6.495 / 7.6	V= 3.575 / 9.9	W= .079563 / 2.1	T= 5.393 / 11.8						
LAT= 18.0	U= 6.607 / 7.5	V= 4.997 / 10.0	W= .070358 / 2.2	T= 4.939 / 0.0						
LAT= 24.0	U= 6.659 / 7.5	V= 6.041 / 10.1	W= .059312 / 2.4	T= 4.369 / .2						
LAT= 30.0	U= 6.611 / 7.5	V= 6.674 / 10.2	W= .047733 / 2.6	T= 3.731 / .4						
LAT= 36.0	U= 6.471 / 7.5	V= 6.910 / 10.3	W= .036940 / 2.9	T= 3.098 / .7						
LAT= 42.0	U= 6.220 / 7.6	V= 6.742 / 10.4	W= .027718 / 3.2	T= 2.501 / 1.0						
LAT= 48.0	U= 5.807 / 7.7	V= 6.338 / 10.6	W= .020199 / 3.6	T= 1.939 / 1.3						
LAT= 54.0	U= 5.288 / 7.8	V= 5.771 / 10.7	W= .014633 / 4.0	T= 1.458 / 1.6						
LAT= 60.0	U= 4.662 / 7.9	V= 4.990 / 10.9	W= .009850 / 4.4	T= 1.010 / 1.8						
LAT= 66.0	U= 3.979 / 8.0	V= 4.085 / 11.0	W= .007584 / 4.8	T= .740 / 2.0						
LAT= 72.0	U= 3.117 / 8.0	V= 3.085 / 11.1	W= .004220 / 4.8	T= .401 / 1.9						
LAT= 78.0	U= 2.072 / 8.1	V= 2.029 / 11.2	W= .001275 / 4.6	T= .136 / 2.0						
LAT= 84.0	U= 1.008 / 8.2	V= .990 / 11.7	W= .000046 / 2.6	T= .017 / 2.4						

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200$, and 1400 K (contd)

T₀ = 800 K

Z = 181.310 KM

LAT = 0.0	U = 5.788 / 6.7	V = 0.000 / 1.5	W = 1.0240 / 1.1	T = 5.021 / 11.2
LAT = 6.0	U = 5.771 / 6.7	V = 1.820 / 1.0	W = 1.01487 / 1.1	T = 4.947 / 11.3
LAT = 12.0	U = 5.813 / 6.7	V = 3.119 / 0.0	W = 1.09215 / 1.2	T = 4.743 / 11.4
LAT = 18.0	U = 5.922 / 6.7	V = 4.387 / 0.1	W = 1.081015 / 1.4	T = 4.434 / 11.6
LAT = 24.0	U = 6.005 / 6.7	V = 5.339 / 0.2	W = 1.069215 / 1.6	T = 4.051 / 11.8
LAT = 30.0	U = 6.018 / 6.7	V = 5.993 / 0.4	W = 1.056571 / 1.8	T = 3.586 / 12.1
LAT = 36.0	U = 5.984 / 6.8	V = 6.215 / 0.5	W = 1.044227 / 2.2	T = 3.100 / 12.4
LAT = 42.0	U = 5.850 / 6.9	V = 6.212 / 0.7	W = 1.034302 / 2.6	T = 2.609 / 12.6
LAT = 48.0	U = 5.539 / 6.9	V = 5.895 / 0.6	W = 1.020496 / 3.0	T = 2.048 / 12.9
LAT = 54.0	U = 5.120 / 7.1	V = 5.526 / 0.0	W = 1.010050 / 3.4	T = 1.621 / 13.1
LAT = 60.0	U = 4.588 / 7.2	V = 4.887 / 0.1	W = 1.014332 / 3.8	T = 1.148 / 13.3
LAT = 66.0	U = 4.019 / 7.3	V = 4.065 / 0.3	W = 1.010776 / 4.1	T = .893 / 13.4
LAT = 72.0	U = 3.174 / 7.3	V = 3.134 / 0.4	W = 1.005844 / 4.1	T = .455 / 13.4
LAT = 78.0	U = 2.121 / 7.4	V = 2.090 / 0.6	W = 1.001916 / 4.4	T = .174 / 13.5
LAT = 84.0	U = 1.041 / 7.6	V = 1.050 / 11.0	W = 1.000286 / 6.3	T = .034 / 13.9

Z = 209.865 KM

LAT = 0.0	U = 5.029 / 5.9	V = 0.000 / 4.3	W = 1.114752 / 1.3	T = 4.617 / 11.0
LAT = 6.0	U = 5.017 / 5.9	V = 1.422 / 0.3	W = 1.111302 / 1.4	T = 4.566 / 11.1
LAT = 12.0	U = 5.062 / 6.0	V = 2.705 / 0.3	W = 1.103371 / 1.5	T = 4.430 / 11.2
LAT = 18.0	U = 5.196 / 6.0	V = 3.827 / 0.5	W = 1.091799 / 1.7	T = 4.215 / 11.4
LAT = 24.0	U = 5.360 / 6.1	V = 4.713 / 0.6	W = 1.076595 / 1.9	T = 3.921 / 11.7
LAT = 30.0	U = 5.500 / 6.1	V = 5.339 / 0.8	W = 1.065212 / 1.2	T = 3.551 / 11.9
LAT = 36.0	U = 5.622 / 6.2	V = 5.839 / 0.9	W = 1.052491 / 1.6	T = 3.143 / 12.2
LAT = 42.0	U = 5.631 / 6.3	V = 5.791 / 0.1	W = 1.041503 / 2.0	T = 2.705 / 12.4
LAT = 48.0	U = 5.410 / 6.4	V = 5.621 / 0.3	W = 1.031112 / 2.5	T = 2.211 / 12.6
LAT = 54.0	U = 5.057 / 6.5	V = 5.326 / 0.5	W = 1.024034 / 2.9	T = 1.742 / 12.8
LAT = 60.0	U = 4.576 / 6.7	V = 4.878 / 0.6	W = 1.018081 / 3.3	T = 1.246 / 13.0
LAT = 66.0	U = 4.079 / 6.8	V = 4.092 / 0.8	W = 1.012947 / 3.5	T = .901 / 13.1
LAT = 72.0	U = 3.234 / 6.8	V = 3.162 / 0.9	W = 1.006731 / 3.6	T = .445 / 13.1
LAT = 78.0	U = 2.172 / 6.9	V = 2.145 / 10.0	W = 1.002263 / 4.1	T = .202 / 13.2
LAT = 84.0	U = 1.070 / 7.1	V = 1.093 / 10.5	W = 1.000590 / 5.8	T = .048 / 13.6

Z = 240.988 KM

LAT = 0.0	U = 4.637 / 5.4	V = 0.000 / 4.3	W = 1.125929 / 11.9	T = 4.503 / 11.0
LAT = 6.0	U = 4.635 / 5.4	V = 1.264 / 0.8	W = 1.122542 / 11.6	T = 4.470 / 11.0
LAT = 12.0	U = 4.697 / 5.5	V = 2.447 / 0.9	W = 1.113796 / 11.9	T = 4.363 / 11.2
LAT = 18.0	U = 4.860 / 5.5	V = 3.485 / 0.0	W = 1.101494 / 1.1	T = 4.187 / 11.4
LAT = 24.0	U = 5.097 / 5.6	V = 4.350 / 1.2	W = 1.087214 / 1.4	T = 3.937 / 11.6
LAT = 30.0	U = 5.342 / 5.7	V = 5.009 / 0.4	W = 1.072356 / 1.7	T = 3.602 / 11.8
LAT = 36.0	U = 5.591 / 5.9	V = 5.443 / 0.6	W = 1.058521 / 1.1	T = 3.221 / 12.0
LAT = 42.0	U = 5.699 / 6.0	V = 5.632 / 0.8	W = 1.045664 / 1.5	T = 2.802 / 12.3
LAT = 48.0	U = 5.528 / 6.1	V = 5.530 / 0.0	W = 1.034453 / 2.0	T = 2.320 / 12.5
LAT = 54.0	U = 5.192 / 6.2	V = 5.337 / 0.1	W = 1.025520 / 2.5	T = 1.854 / 12.7
LAT = 60.0	U = 4.710 / 6.3	V = 4.874 / 0.3	W = 1.017052 / 2.8	T = 1.322 / 12.9
LAT = 66.0	U = 4.227 / 6.5	V = 4.193 / 0.4	W = 1.013360 / 3.1	T = .950 / 13.0
LAT = 72.0	U = 3.348 / 6.5	V = 3.281 / 0.6	W = 1.006503 / 3.1	T = .523 / 13.0
LAT = 78.0	U = 2.252 / 6.6	V = 2.221 / 0.7	W = 1.002161 / 4.0	T = .225 / 13.1
LAT = 84.0	U = 1.113 / 6.8	V = 1.136 / 10.2	W = 1.000864 / 5.5	T = .055 / 13.4

Z = 272.801 KM

LAT = 0.0	U = 4.575 / 5.1	V = 0.000 / 4.3	W = 1.139323 / 11.3	T = 4.532 / 10.9
LAT = 6.0	U = 4.582 / 5.1	V = 1.195 / 0.5	W = 1.134739 / 11.4	T = 4.497 / 11.0
LAT = 12.0	U = 4.659 / 5.2	V = 2.326 / 0.6	W = 1.125493 / 11.5	T = 4.401 / 11.1
LAT = 18.0	U = 4.843 / 5.3	V = 3.344 / 0.8	W = 1.112256 / 11.7	T = 4.240 / 11.3
LAT = 24.0	U = 5.125 / 5.4	V = 4.217 / 0.0	W = 1.096252 / 11.9	T = 4.004 / 11.6
LAT = 30.0	U = 5.432 / 5.5	V = 4.917 / 0.2	W = 1.079601 / 1.3	T = 3.680 / 11.8
LAT = 36.0	U = 5.750 / 5.6	V = 5.412 / 0.4	W = 1.063322 / 1.7	T = 3.306 / 12.0
LAT = 42.0	U = 5.911 / 5.8	V = 5.662 / 0.6	W = 1.048322 / 1.1	T = 2.888 / 12.2
LAT = 48.0	U = 5.754 / 5.9	V = 5.668 / 0.8	W = 1.035335 / 1.5	T = 2.400 / 12.4
LAT = 54.0	U = 5.410 / 6.0	V = 5.453 / 0.0	W = 1.025719 / 2.0	T = 1.902 / 12.6
LAT = 60.0	U = 4.905 / 6.2	V = 5.021 / 0.1	W = 1.017291 / 2.4	T = 1.375 / 12.8
LAT = 66.0	U = 4.409 / 6.3	V = 4.342 / 0.3	W = 1.012625 / 2.6	T = .987 / 12.9
LAT = 72.0	U = 3.483 / 6.3	V = 3.405 / 0.4	W = 1.005803 / 2.6	T = .544 / 12.9
LAT = 78.0	U = 2.344 / 6.4	V = 2.307 / 0.6	W = 1.001614 / 3.8	T = .232 / 13.1
LAT = 84.0	U = 1.180 / 6.6	V = 1.180 / 10.0	W = 1.001050 / 5.5	T = .060 / 13.3

Table B1. Amplitude and Phase for the (2,2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 800$ K											
Z = 304.762 KM											
LAT= 0.0	U=	4.659 / 5.0	V=	3.000 / 4.3	W=	.152585 / 11.0	T=	4.610 / 10.9			
LAT= 6.0	U=	4.670 / 5.0	V=	1.567 / 7.4	W=	.146786 / 11.0	T=	4.575 / 11.0			
LAT= 12.0	U=	4.757 / 5.0	V=	2.741 / 7.8	W=	.138654 / 11.1	T=	4.484 / 11.1			
LAT= 18.0	U=	4.957 / 5.1	V=	3.304 / 7.6	W=	.124540 / 11.3	T=	4.327 / 11.3			
LAT= 24.0	U=	5.264 / 5.2	V=	4.201 / 7.8	W=	.106727 / 11.6	T=	4.093 / 11.5			
LAT= 30.0	U=	5.603 / 5.3	V=	4.373 / 7.1	W=	.087445 / 11.3	T=	3.770 / 11.8			
LAT= 36.0	U=	5.956 / 5.5	V=	3.476 / 6.3	W=	.066501 / 11.2	T=	3.333 / 12.0			
LAT= 42.0	U=	6.140 / 5.7	V=	3.764 / 6.5	W=	.051061 / 11.6	T=	2.939 / 12.2			
LAT= 48.0	U=	5.985 / 5.8	V=	5.794 / 8.7	W=	.035397 / 11.0	T=	2.472 / 12.4			
LAT= 54.0	U=	5.627 / 6.0	V=	5.373 / 8.9	W=	.024943 / 11.5	T=	1.962 / 12.6			
LAT= 60.0	U=	5.096 / 6.1	V=	5.176 / 9.0	W=	.016332 / 11.6	T=	1.418 / 12.8			
LAT= 66.0	U=	4.580 / 6.2	V=	4.490 / 9.2	W=	.011477 / 12.1	T=	1.018 / 12.9			
LAT= 72.0	U=	3.611 / 6.2	V=	3.522 / 9.3	W=	.009036 / 11.9	T=	.561 / 12.9			
LAT= 78.0	U=	2.429 / 6.3	V=	2.387 / 9.5	W=	.000777 / 11.5	T=	.240 / 13.0			
LAT= 84.0	U=	1.202 / 6.5	V=	1.218 / 9.9	W=	.001128 / 11.7	T=	.063 / 13.2			
Z = 336.754 KM											
LAT= 0.0	U=	4.720 / 4.9	V=	0.000 / 4.3	W=	.169052 / 10.7	T=	4.708 / 10.9			
LAT= 6.0	U=	4.795 / 4.9	V=	1.161 / 7.3	W=	.165023 / 10.7	T=	4.675 / 11.0			
LAT= 12.0	U=	4.870 / 4.9	V=	2.077 / 7.4	W=	.154556 / 10.6	T=	4.584 / 11.1			
LAT= 18.0	U=	5.100 / 5.0	V=	3.315 / 7.6	W=	.138390 / 11.0	T=	4.425 / 11.3			
LAT= 24.0	U=	5.422 / 5.2	V=	4.238 / 7.8	W=	.119089 / 11.2	T=	4.131 / 11.5			
LAT= 30.0	U=	5.730 / 5.3	V=	5.006 / 8.0	W=	.097154 / 11.5	T=	3.862 / 11.7			
LAT= 36.0	U=	6.151 / 5.5	V=	5.874 / 8.2	W=	.075434 / 11.8	T=	3.480 / 12.0			
LAT= 42.0	U=	6.346 / 5.6	V=	5.880 / 8.1	W=	.055462 / 11.1	T=	3.047 / 12.2			
LAT= 48.0	U=	6.186 / 5.8	V=	5.936 / 8.6	W=	.038114 / 11.4	T=	2.537 / 12.4			
LAT= 54.0	U=	5.815 / 5.9	V=	5.748 / 8.8	W=	.025166 / 11.8	T=	2.015 / 12.6			
LAT= 60.0	U=	5.262 / 6.0	V=	5.323 / 9.0	W=	.015445 / 11.1	T=	1.458 / 12.8			
LAT= 66.0	U=	4.727 / 6.2	V=	4.621 / 9.1	W=	.010847 / 11.3	T=	1.046 / 12.9			
LAT= 72.0	U=	3.722 / 6.2	V=	3.626 / 9.3	W=	.004920 / 11.6	T=	.577 / 12.9			
LAT= 78.0	U=	2.502 / 6.3	V=	2.457 / 9.4	W=	.000385 / 11.1	T=	.248 / 13.0			
LAT= 84.0	U=	1.238 / 6.5	V=	1.251 / 9.8	W=	.001133 / 11.9	T=	.065 / 13.2			
Z = 369.753 KM											
LAT= 0.0	U=	4.902 / 4.8	V=	0.000 / 4.3	W=	.187687 / 10.4	T=	4.813 / 10.9			
LAT= 6.0	U=	4.919 / 4.9	V=	1.167 / 7.2	W=	.183442 / 10.5	T=	4.779 / 11.0			
LAT= 12.0	U=	5.019 / 4.9	V=	2.296 / 7.4	W=	.172366 / 10.6	T=	4.697 / 11.1			
LAT= 18.0	U=	5.237 / 5.0	V=	3.352 / 7.5	W=	.155649 / 10.7	T=	4.527 / 11.3			
LAT= 24.0	U=	5.569 / 5.1	V=	4.299 / 7.7	W=	.133804 / 10.9	T=	4.287 / 11.5			
LAT= 30.0	U=	5.939 / 5.3	V=	5.093 / 8.0	W=	.109313 / 11.2	T=	3.952 / 11.7			
LAT= 36.0	U=	6.321 / 5.4	V=	5.601 / 8.2	W=	.084926 / 11.4	T=	3.562 / 12.0			
LAT= 42.0	U=	6.522 / 5.6	V=	6.009 / 8.4	W=	.062536 / 11.6	T=	3.120 / 12.2			
LAT= 48.0	U=	6.358 / 5.7	V=	6.068 / 8.6	W=	.042906 / 11.9	T=	2.600 / 12.4			
LAT= 54.0	U=	5.974 / 5.9	V=	5.883 / 8.8	W=	.027828 / 11.1	T=	2.065 / 12.6			
LAT= 60.0	U=	5.403 / 6.0	V=	5.453 / 9.0	W=	.016897 / 11.3	T=	1.494 / 12.8			
LAT= 66.0	U=	4.853 / 6.1	V=	4.738 / 9.1	W=	.011748 / 11.5	T=	1.071 / 12.9			
LAT= 72.0	U=	3.818 / 6.2	V=	3.717 / 9.2	W=	.006100 / 11.9	T=	.591 / 12.9			
LAT= 78.0	U=	2.566 / 6.2	V=	2.519 / 9.4	W=	.001578 / 10.3	T=	.254 / 13.0			
LAT= 84.0	U=	1.270 / 6.4	V=	1.281 / 9.8	W=	.001108 / 11.7	T=	.067 / 13.2			
Z = 400.753 KM											
LAT= 0.0	U=	5.014 / 4.8	V=	0.000 / 4.3	W=	.207718 / 10.2	T=	4.916 / 10.9			
LAT= 6.0	U=	5.032 / 4.8	V=	1.182 / 7.2	W=	.203308 / 10.2	T=	4.882 / 11.0			
LAT= 12.0	U=	5.136 / 4.9	V=	2.327 / 7.3	W=	.191751 / 10.3	T=	4.787 / 11.1			
LAT= 18.0	U=	5.360 / 5.0	V=	3.404 / 7.5	W=	.174063 / 10.5	T=	4.624 / 11.3			
LAT= 24.0	U=	5.701 / 5.1	V=	4.372 / 7.7	W=	.150528 / 10.7	T=	4.380 / 11.5			
LAT= 30.0	U=	6.079 / 5.3	V=	5.186 / 8.0	W=	.123747 / 10.9	T=	4.039 / 11.7			
LAT= 36.0	U=	6.470 / 5.4	V=	5.791 / 8.2	W=	.096966 / 11.1	T=	3.640 / 12.0			
LAT= 42.0	U=	6.675 / 5.6	V=	6.130 / 8.4	W=	.072397 / 11.2	T=	3.189 / 12.2			
LAT= 48.0	U=	6.507 / 5.7	V=	6.193 / 8.6	W=	.050613 / 11.4	T=	2.658 / 12.4			
LAT= 54.0	U=	6.113 / 5.9	V=	6.007 / 8.8	W=	.033387 / 11.6	T=	2.111 / 12.6			
LAT= 60.0	U=	5.528 / 6.0	V=	5.572 / 9.0	W=	.020867 / 11.6	T=	1.528 / 12.8			
LAT= 66.0	U=	4.964 / 6.1	V=	4.843 / 9.1	W=	.014528 / 11.8	T=	1.096 / 12.9			
LAT= 72.0	U=	3.903 / 6.2	V=	3.799 / 9.2	W=	.008327 / 11.3	T=	.504 / 12.9			
LAT= 78.0	U=	2.623 / 6.2	V=	2.574 / 9.4	W=	.002944 / 10.1	T=	.260 / 13.0			
LAT= 84.0	U=	1.298 / 6.4	V=	1.308 / 9.8	W=	.001101 / 11.7	T=	.069 / 13.2			

Table B1. Amplitude and Phase for the (2,2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 1000 K

Z = 81.010 KM

LAT= 0.0	U= 1.123 / 1.0	V= 0.000 / 4.2	W= .000499 / 5.5	T= .498 / 6.9
LAT= 6.0	U= 1.142 / 1.0	V= .453 / 4.1	W= .000501 / 5.5	T= .482 / 6.9
LAT= 12.0	U= 1.191 / 1.0	V= .852 / 4.1	W= .000504 / 5.4	T= .436 / 6.9
LAT= 18.0	U= 1.251 / 1.0	V= 1.156 / 4.1	W= .000493 / 5.4	T= .370 / 6.9
LAT= 24.0	U= 1.296 / 1.0	V= 1.348 / 4.0	W= .000463 / 5.3	T= .294 / 6.8
LAT= 30.0	U= 1.310 / 1.0	V= 1.427 / 4.0	W= .000408 / 5.3	T= .219 / 6.8
LAT= 36.0	U= 1.282 / 1.0	V= 1.413 / 4.0	W= .000333 / 5.2	T= .153 / 6.8
LAT= 42.0	U= 1.213 / 1.0	V= 1.329 / 4.0	W= .000248 / 5.2	T= .099 / 6.7
LAT= 48.0	U= 1.109 / .9	V= 1.197 / 3.9	W= .000171 / 5.1	T= .059 / 6.7
LAT= 54.0	U= .978 / .9	V= 1.038 / 3.9	W= .000101 / 5.1	T= .033 / 6.6
LAT= 60.0	U= .828 / .9	V= .866 / 3.9	W= .000057 / 5.2	T= .015 / 6.5
LAT= 66.0	U= .671 / .9	V= .689 / 3.9	W= .000027 / 4.5	T= .006 / 6.7
LAT= 72.0	U= .505 / .9	V= .512 / 3.9	W= .000011 / 5.9	T= .003 / 6.2
LAT= 78.0	U= .337 / .9	V= .338 / 3.9	W= .000007 / 3.5	T= .000 / 6.3
LAT= 84.0	U= .168 / .9	V= .187 / 3.9	W= .000002 / 3.5	T= 0.000 / 2.6

Z = 84.009 KM

LAT= 0.0	U= 1.307 / 1.0	V= 0.000 / 4.2	W= .000833 / 5.5	T= .565 / 6.8
LAT= 6.0	U= 1.329 / 1.0	V= .521 / 4.1	W= .000800 / 5.5	T= .549 / 6.8
LAT= 12.0	U= 1.386 / 1.0	V= .982 / 4.1	W= .000715 / 5.5	T= .502 / 6.8
LAT= 18.0	U= 1.456 / 1.0	V= 1.338 / 4.0	W= .000592 / 5.6	T= .433 / 6.8
LAT= 24.0	U= 1.512 / 1.0	V= 1.566 / 4.0	W= .000462 / 5.7	T= .352 / 6.8
LAT= 30.0	U= 1.533 / 1.0	V= 1.667 / 4.0	W= .000339 / 5.8	T= .268 / 6.8
LAT= 36.0	U= 1.505 / 1.0	V= 1.657 / 4.0	W= .000236 / 5.9	T= .191 / 6.8
LAT= 42.0	U= 1.428 / .9	V= 1.564 / 3.9	W= .000155 / 5.9	T= .127 / 6.8
LAT= 48.0	U= 1.309 / .9	V= 1.413 / 3.9	W= .000097 / 5.9	T= .077 / 6.7
LAT= 54.0	U= 1.157 / .9	V= 1.228 / 3.9	W= .000053 / 5.9	T= .043 / 6.7
LAT= 60.0	U= .980 / .9	V= 1.025 / 3.9	W= .000032 / 6.0	T= .020 / 6.7
LAT= 66.0	U= .795 / .9	V= .816 / 3.9	W= .000014 / 4.4	T= .008 / 6.9
LAT= 72.0	U= .599 / .9	V= .606 / 3.9	W= .000009 / 7.2	T= .003 / 6.4
LAT= 78.0	U= .398 / .9	V= .400 / 3.9	W= .000008 / 3.7	T= .000 / 8.9
LAT= 84.0	U= .199 / .9	V= .198 / 3.9	W= .000002 / 3.5	T= 0.000 / 10.6

Z = 87.062 KM

LAT= 0.0	U= 1.537 / 1.0	V= 0.000 / 4.2	W= .001371 / 5.5	T= .645 / 6.7
LAT= 6.0	U= 1.562 / 1.0	V= .607 / 4.1	W= .001283 / 5.5	T= .629 / 6.7
LAT= 12.0	U= 1.631 / 1.0	V= 1.147 / 4.1	W= .001054 / 5.6	T= .583 / 6.7
LAT= 18.0	U= 1.714 / 1.0	V= 1.567 / 4.0	W= .000751 / 5.7	T= .512 / 6.8
LAT= 24.0	U= 1.783 / 1.0	V= 1.840 / 4.0	W= .000463 / 6.0	T= .424 / 6.8
LAT= 30.0	U= 1.810 / .9	V= 1.954 / 4.0	W= .000251 / 6.6	T= .330 / 6.8
LAT= 36.0	U= 1.781 / .9	V= 1.959 / 3.9	W= .000138 / 7.6	T= .241 / 6.8
LAT= 42.0	U= 1.693 / .9	V= 1.852 / 3.9	W= .000097 / 8.6	T= .163 / 6.8
LAT= 48.0	U= 1.553 / .9	V= 1.676 / 3.9	W= .000070 / 9.2	T= .101 / 6.8
LAT= 54.0	U= 1.374 / .8	V= 1.456 / 3.8	W= .000047 / 9.5	T= .057 / 6.8
LAT= 60.0	U= 1.163 / .8	V= 1.216 / 3.8	W= .000028 / 9.1	T= .028 / 6.7
LAT= 66.0	U= .942 / .8	V= .967 / 3.8	W= .000006 / .2	T= .011 / 6.9
LAT= 72.0	U= .710 / .8	V= .718 / 3.8	W= .000011 / 9.1	T= .005 / 6.5
LAT= 78.0	U= .471 / .8	V= .473 / 3.8	W= .000011 / 5.3	T= .001 / 4.7
LAT= 84.0	U= .236 / .8	V= .234 / 3.8	W= .000002 / 6.3	T= .000 / 4.8

Z = 90.176 KM

LAT= 0.0	U= 1.810 / .9	V= 0.000 / 4.2	W= .002257 / 5.4	T= .731 / 6.6
LAT= 6.0	U= 1.839 / .9	V= .698 / 4.0	W= .002084 / 5.5	T= .715 / 6.6
LAT= 12.0	U= 1.918 / .9	V= 1.326 / 4.0	W= .001627 / 5.5	T= .671 / 6.6
LAT= 18.0	U= 2.019 / .9	V= 1.828 / 3.9	W= .001032 / 5.7	T= .601 / 6.7
LAT= 24.0	U= 2.108 / .9	V= 2.168 / 3.9	W= .000493 / 6.3	T= .511 / 6.6
LAT= 30.0	U= 2.150 / .9	V= 2.333 / 3.9	W= .000252 / 8.4	T= .409 / 6.8
LAT= 36.0	U= 2.124 / .9	V= 2.339 / 3.9	W= .000339 / 9.9	T= .307 / 6.9
LAT= 42.0	U= 2.022 / .9	V= 2.215 / 3.9	W= .000374 / 10.3	T= .214 / 6.9
LAT= 48.0	U= 1.852 / .9	V= 2.000 / 3.9	W= .000315 / 10.4	T= .137 / 7.0
LAT= 54.0	U= 1.631 / .9	V= 1.729 / 3.9	W= .000227 / 10.5	T= .080 / 7.0
LAT= 60.0	U= 1.372 / .9	V= 1.433 / 3.9	W= .000134 / 10.4	T= .040 / 6.9
LAT= 66.0	U= 1.104 / .9	V= 1.133 / 3.9	W= .000063 / 10.8	T= .017 / 7.1
LAT= 72.0	U= .827 / .9	V= .836 / 3.9	W= .000041 / 10.2	T= .008 / 6.9
LAT= 78.0	U= .544 / .9	V= .548 / 3.9	W= .000011 / 7.6	T= .001 / 5.2
LAT= 84.0	U= .272 / .9	V= .272 / 3.9	W= .000003 / 8.1	T= .000 / 5.1

Table B1. Amplitude and Phase for the (2,2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1000$ K																
Z = 93.363 KM																
LAT= 0.0	U=	2.096	/	.9	V=	0.000	/	4.3	W=	.003343	/	5.4	T=	.814	/	6.4
LAT= 6.0	U=	2.128	/	.9	V=	.731	/	3.8	W=	.003104	/	5.4	T=	.799	/	6.5
LAT= 12.0	U=	2.219	/	.9	V=	1.418	/	3.8	W=	.002466	/	5.4	T=	.758	/	6.5
LAT= 18.0	U=	2.348	/	.9	V=	2.013	/	3.9	W=	.001613	/	5.6	T=	.691	/	6.6
LAT= 24.0	U=	2.485	/	.9	V=	2.470	/	3.5	W=	.000794	/	6.0	T=	.602	/	6.7
LAT= 30.0	U=	2.587	/	.9	V=	2.755	/	3.9	W=	.000354	/	8.0	T=	.499	/	6.8
LAT= 36.0	U=	2.617	/	.9	V=	2.855	/	3.9	W=	.000520	/	9.8	T=	.389	/	6.9
LAT= 42.0	U=	2.549	/	.9	V=	2.751	/	3.9	W=	.000639	/	10.2	T=	.282	/	6.9
LAT= 48.0	U=	2.381	/	.9	V=	2.565	/	3.9	W=	.000594	/	10.3	T=	.189	/	7.0
LAT= 54.0	U=	2.128	/	.9	V=	2.252	/	3.9	W=	.000467	/	10.3	T=	.116	/	7.0
LAT= 60.0	U=	1.807	/	.9	V=	1.885	/	3.9	W=	.000312	/	10.3	T=	.063	/	7.0
LAT= 66.0	U=	1.460	/	.9	V=	1.466	/	3.9	W=	.000172	/	10.4	T=	.029	/	7.2
LAT= 72.0	U=	1.098	/	.9	V=	1.105	/	3.9	W=	.000107	/	10.3	T=	.014	/	7.0
LAT= 78.0	U=	.717	/	.9	V=	.723	/	3.9	W=	.000054	/	9.4	T=	.005	/	6.4
LAT= 84.0	U=	.350	/	.9	V=	.358	/	3.9	W=	.000011	/	9.2	T=	.001	/	6.2
Z = 98.638 KM																
LAT= 0.0	U=	2.430	/	.8	V=	0.000	/	11.4	W=	.004400	/	5.4	T=	.915	/	6.3
LAT= 6.0	U=	2.465	/	.8	V=	.634	/	3.8	W=	.004515	/	5.4	T=	.897	/	6.3
LAT= 12.0	U=	2.575	/	.8	V=	1.617	/	3.8	W=	.003735	/	5.4	T=	.846	/	6.4
LAT= 18.0	U=	2.727	/	.8	V=	2.245	/	3.8	W=	.002843	/	5.4	T=	.767	/	6.5
LAT= 24.0	U=	2.887	/	.8	V=	2.823	/	3.8	W=	.001431	/	5.4	T=	.664	/	6.6
LAT= 30.0	U=	3.011	/	.8	V=	3.016	/	3.8	W=	.000510	/	5.9	T=	.557	/	6.7
LAT= 36.0	U=	3.060	/	.8	V=	3.079	/	3.8	W=	.000317	/	9.8	T=	.440	/	6.8
LAT= 42.0	U=	3.005	/	.8	V=	3.071	/	3.8	W=	.000651	/	10.5	T=	.326	/	6.9
LAT= 48.0	U=	2.838	/	.8	V=	3.051	/	3.8	W=	.000760	/	10.6	T=	.223	/	7.0
LAT= 54.0	U=	2.570	/	.8	V=	2.720	/	3.8	W=	.000663	/	10.6	T=	.140	/	7.0
LAT= 60.0	U=	2.216	/	.8	V=	2.313	/	3.8	W=	.000444	/	10.5	T=	.077	/	7.1
LAT= 66.0	U=	1.814	/	.8	V=	1.863	/	3.8	W=	.000295	/	10.6	T=	.038	/	7.3
LAT= 72.0	U=	1.384	/	.8	V=	1.313	/	3.8	W=	.000185	/	10.6	T=	.016	/	7.2
LAT= 78.0	U=	.920	/	.8	V=	.920	/	3.8	W=	.000117	/	9.7	T=	.008	/	6.6
LAT= 84.0	U=	.455	/	.8	V=	.450	/	3.8	W=	.000026	/	9.4	T=	.002	/	6.3
Z = 103.017 KM																
LAT= 0.0	U=	2.530	/	.7	V=	0.000	/	11.2	W=	.007101	/	5.2	T=	1.000	/	6.0
LAT= 6.0	U=	2.574	/	.7	V=	1.044	/	3.5	W=	.007747	/	5.2	T=	.974	/	6.0
LAT= 12.0	U=	2.697	/	.7	V=	1.991	/	3.5	W=	.006700	/	5.3	T=	.910	/	6.1
LAT= 18.0	U=	2.835	/	.7	V=	2.742	/	3.5	W=	.004455	/	5.3	T=	.821	/	6.2
LAT= 24.0	U=	3.181	/	.6	V=	3.112	/	3.7	W=	.002113	/	5.4	T=	.716	/	6.4
LAT= 30.0	U=	3.374	/	.6	V=	3.317	/	3.8	W=	.001237	/	5.6	T=	.602	/	6.6
LAT= 36.0	U=	3.383	/	.6	V=	3.316	/	3.9	W=	.000247	/	7.4	T=	.482	/	6.8
LAT= 42.0	U=	3.123	/	.9	V=	3.014	/	3.9	W=	.000176	/	10.4	T=	.365	/	6.9
LAT= 48.0	U=	2.805	/	.9	V=	2.719	/	4.0	W=	.000219	/	10.8	T=	.246	/	7.1
LAT= 54.0	U=	2.405	/	1.0	V=	2.319	/	4.0	W=	.000176	/	10.9	T=	.165	/	7.2
LAT= 60.0	U=	2.016	/	1.0	V=	2.019	/	4.0	W=	.000542	/	11.0	T=	.042	/	7.3
LAT= 66.0	U=	1.676	/	1.0	V=	1.641	/	4.0	W=	.000369	/	11.3	T=	.047	/	7.6
LAT= 72.0	U=	1.304	/	.9	V=	1.273	/	3.9	W=	.000231	/	11.4	T=	.023	/	7.8
LAT= 78.0	U=	1.090	/	.9	V=	1.043	/	3.9	W=	.000127	/	10.6	T=	.011	/	7.1
LAT= 84.0	U=	.541	/	.9	V=	.545	/	4.0	W=	.000034	/	9.9	T=	.003	/	6.5
Z = 103.521 KM																
LAT= 0.0	U=	3.224	/	.6	V=	0.000	/	5.0	W=	.010346	/	5.0	T=	1.015	/	5.4
LAT= 6.0	U=	3.277	/	.6	V=	1.015	/	3.2	W=	.009642	/	5.0	T=	1.002	/	5.5
LAT= 12.0	U=	3.320	/	.6	V=	2.009	/	3.3	W=	.008641	/	5.1	T=	.983	/	5.6
LAT= 18.0	U=	3.552	/	.6	V=	2.745	/	3.4	W=	.006455	/	5.3	T=	.901	/	5.7
LAT= 24.0	U=	3.724	/	.7	V=	3.517	/	3.5	W=	.004847	/	5.5	T=	.813	/	5.9
LAT= 30.0	U=	3.867	/	.8	V=	4.245	/	3.7	W=	.003006	/	5.9	T=	.702	/	6.2
LAT= 36.0	U=	3.949	/	.8	V=	4.214	/	3.8	W=	.001701	/	6.5	T=	.573	/	6.4
LAT= 42.0	U=	3.936	/	.9	V=	4.015	/	3.9	W=	.000851	/	7.7	T=	.435	/	6.6
LAT= 48.0	U=	3.801	/	1.0	V=	4.012	/	4.0	W=	.000578	/	9.4	T=	.302	/	6.9
LAT= 54.0	U=	3.532	/	1.0	V=	3.747	/	4.0	W=	.000565	/	10.7	T=	.192	/	7.2
LAT= 60.0	U=	3.116	/	1.1	V=	3.219	/	4.1	W=	.000501	/	11.5	T=	.106	/	7.5
LAT= 66.0	U=	2.604	/	1.1	V=	2.611	/	4.1	W=	.000247	/	.2	T=	.056	/	8.2
LAT= 72.0	U=	2.015	/	1.1	V=	2.032	/	4.1	W=	.000240	/	.5	T=	.030	/	8.7
LAT= 78.0	U=	1.357	/	1.1	V=	1.340	/	4.1	W=	.000155	/	.2	T=	.014	/	8.6
LAT= 84.0	U=	.674	/	1.1	V=	.665	/	4.1	W=	.000038	/	10.5	T=	.004	/	7.2

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1000$ K										
Z = 107.177 KM										
LAT= 0.0	U=	3.751 / .5	V=	0.000 / 4.9	W=	.014674 / 4.9	T=	1.188 / 4.5		
LAT= 6.0	U=	3.793 / .5	V=	1.047 / 3.2	W=	.014229 / 4.9	T=	1.182 / 4.5		
LAT= 12.0	U=	3.920 / .5	V=	2.083 / 3.2	W=	.012988 / 5.0	T=	1.159 / 4.6		
LAT= 18.0	U=	4.121 / .5	V=	3.083 / 3.3	W=	.011157 / 5.2	T=	1.106 / 4.8		
LAT= 24.0	U=	4.375 / .6	V=	3.992 / 3.4	W=	.009008 / 5.4	T=	1.010 / 4.9		
LAT= 30.0	U=	4.637 / .6	V=	4.735 / 3.5	W=	.006772 / 5.6	T=	.866 / 5.1		
LAT= 36.0	U=	4.845 / .6	V=	5.232 / 3.6	W=	.004650 / 5.8	T=	.686 / 5.3		
LAT= 42.0	U=	4.927 / .7	V=	5.424 / 3.6	W=	.002801 / 6.0	T=	.493 / 5.6		
LAT= 48.0	U=	4.826 / .7	V=	5.295 / 3.7	W=	.001353 / 6.2	T=	.317 / 6.0		
LAT= 54.0	U=	4.515 / .6	V=	4.873 / 3.8	W=	.000373 / 6.1	T=	.185 / 6.6		
LAT= 60.0	U=	3.992 / .8	V=	4.230 / 3.8	W=	.000174 / 1.2	T=	.099 / 7.4		
LAT= 66.0	U=	3.318 / .8	V=	3.442 / 3.8	W=	.000367 / 1.0	T=	.064 / 8.6		
LAT= 72.0	U=	2.550 / .9	V=	2.578 / 3.9	W=	.000353 / 1.0	T=	.047 / 9.3		
LAT= 78.0	U=	1.708 / .9	V=	1.695 / 3.9	W=	.000188 / .6	T=	.024 / 9.1		
LAT= 84.0	U=	.847 / .9	V=	.823 / 3.9	W=	.000036 / 10.6	T=	.005 / 7.3		
Z = 111.019 KM										
LAT= 0.0	U=	4.552 / .2	V=	0.000 / 4.7	W=	.011354 / 4.7	T=	2.097 / 3.3		
LAT= 6.0	U=	4.595 / .2	V=	1.207 / 3.0	W=	.020909 / 4.7	T=	2.066 / 3.3		
LAT= 12.0	U=	4.726 / .2	V=	2.411 / 3.0	W=	.019620 / 4.8	T=	1.974 / 3.4		
LAT= 18.0	U=	4.931 / .2	V=	3.580 / 3.0	W=	.017575 / 4.9	T=	1.812 / 3.5		
LAT= 24.0	U=	5.187 / .2	V=	4.647 / 3.0	W=	.014937 / 5.0	T=	1.578 / 3.6		
LAT= 30.0	U=	5.446 / .2	V=	5.514 / 3.0	W=	.011913 / 5.1	T=	1.284 / 3.7		
LAT= 36.0	U=	5.639 / .2	V=	6.031 / 3.1	W=	.008789 / 5.2	T=	.956 / 3.8		
LAT= 42.0	U=	5.688 / .2	V=	6.262 / 3.1	W=	.005867 / 5.2	T=	.635 / 4.0		
LAT= 48.0	U=	5.531 / .2	V=	6.104 / 3.2	W=	.003429 / 5.2	T=	.359 / 4.3		
LAT= 54.0	U=	5.146 / .2	V=	5.591 / 3.2	W=	.001659 / 5.0	T=	.166 / 4.9		
LAT= 60.0	U=	4.530 / .3	V=	4.828 / 3.3	W=	.000607 / 4.4	T=	.068 / 6.4		
LAT= 66.0	U=	3.744 / .3	V=	3.913 / 3.3	W=	.000281 / 2.3	T=	.066 / 8.4		
LAT= 72.0	U=	2.876 / .4	V=	2.920 / 3.3	W=	.000283 / 1.0	T=	.060 / 8.8		
LAT= 78.0	U=	1.937 / .4	V=	1.909 / 3.4	W=	.000137 / .3	T=	.028 / 8.5		
LAT= 84.0	U=	.955 / .4	V=	.910 / 3.5	W=	.000014 / 10.2	T=	.005 / 6.6		
Z = 115.091 KM										
LAT= 0.0	U=	5.187 / 11.6	V=	0.000 / 4.5	W=	.030215 / 4.5	T=	3.812 / 2.4		
LAT= 6.0	U=	5.219 / 11.6	V=	1.377 / 2.3	W=	.029645 / 4.5	T=	3.731 / 2.4		
LAT= 12.0	U=	5.319 / 11.6	V=	2.712 / 2.3	W=	.027976 / 4.5	T=	3.496 / 2.4		
LAT= 18.0	U=	5.466 / 11.6	V=	3.954 / 2.3	W=	.025289 / 4.5	T=	3.124 / 2.4		
LAT= 24.0	U=	5.638 / 11.5	V=	5.028 / 2.3	W=	.021767 / 4.6	T=	2.645 / 2.5		
LAT= 30.0	U=	5.793 / 11.5	V=	5.850 / 2.3	W=	.017677 / 4.6	T=	2.100 / 2.5		
LAT= 36.0	U=	5.877 / 11.5	V=	6.336 / 2.4	W=	.013399 / 4.6	T=	1.542 / 2.6		
LAT= 42.0	U=	5.829 / 11.5	V=	6.459 / 2.4	W=	.009341 / 4.7	T=	1.027 / 2.7		
LAT= 48.0	U=	5.599 / 11.5	V=	6.224 / 2.5	W=	.005864 / 4.7	T=	.599 / 2.9		
LAT= 54.0	U=	5.169 / 11.6	V=	5.661 / 2.5	W=	.003226 / 4.7	T=	.291 / 3.2		
LAT= 60.0	U=	4.532 / 11.6	V=	4.867 / 2.6	W=	.001446 / 4.6	T=	.105 / 3.9		
LAT= 66.0	U=	3.734 / 11.7	V=	3.936 / 2.7	W=	.000441 / 4.6	T=	.056 / 6.4		
LAT= 72.0	U=	2.684 / 11.7	V=	2.935 / 2.7	W=	.000059 / 3.9	T=	.053 / 7.1		
LAT= 78.0	U=	1.954 / 11.8	V=	1.913 / 2.8	W=	.000017 / 5.8	T=	.022 / 6.6		
LAT= 84.0	U=	.958 / 11.8	V=	.899 / 2.9	W=	.000033 / 4.7	T=	.005 / 4.1		
Z = 119.451 KM										
LAT= 0.0	U=	5.493 / 10.9	V=	0.000 / 4.2	W=	.039842 / 4.1	T=	5.590 / 1.7		
LAT= 6.0	U=	5.508 / 10.9	V=	1.472 / 1.6	W=	.039073 / 4.1	T=	5.456 / 1.7		
LAT= 12.0	U=	5.562 / 10.9	V=	2.869 / 1.6	W=	.036844 / 4.2	T=	5.079 / 1.7		
LAT= 18.0	U=	5.639 / 10.9	V=	4.115 / 1.6	W=	.033303 / 4.2	T=	4.499 / 1.7		
LAT= 24.0	U=	5.718 / 10.8	V=	5.137 / 1.6	W=	.028726 / 4.2	T=	3.778 / 1.7		
LAT= 30.0	U=	5.769 / 10.8	V=	5.867 / 1.6	W=	.023479 / 4.2	T=	2.990 / 1.8		
LAT= 36.0	U=	5.755 / 10.8	V=	6.250 / 1.6	W=	.018038 / 4.2	T=	2.215 / 1.9		
LAT= 42.0	U=	5.626 / 10.8	V=	6.233 / 1.7	W=	.012884 / 4.3	T=	1.519 / 2.0		
LAT= 48.0	U=	5.346 / 10.8	V=	5.932 / 1.7	W=	.008424 / 4.4	T=	.947 / 2.2		
LAT= 54.0	U=	4.405 / 10.9	V=	5.411 / 1.8	W=	.004882 / 4.5	T=	.534 / 2.5		
LAT= 60.0	U=	4.285 / 10.9	V=	4.631 / 1.9	W=	.002535 / 4.7	T=	.263 / 3.0		
LAT= 66.0	U=	3.525 / 11.0	V=	3.735 / 2.0	W=	.001117 / 5.3	T=	.140 / 4.1		
LAT= 72.0	U=	2.737 / 11.1	V=	2.783 / 2.1	W=	.000538 / 5.9	T=	.090 / 4.5		
LAT= 78.0	U=	1.859 / 11.1	V=	1.809 / 2.1	W=	.000257 / 5.7	T=	.038 / 4.0		
LAT= 84.0	U=	.905 / 11.1	V=	.841 / 2.3	W=	.000093 / 4.6	T=	.011 / 2.2		

Table B1. Amplitude and Phase for the (2,2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1000$ K										
Z = 124.175 KM										
LAT= 0.0	U=	5.665 / 10.3	V=	0.000 / 3.8	W=	.049406 / 3.8	T=	6.796 / 1.1		
LAT= 6.0	U=	5.665 / 10.2	V=	1.556 / .8	W=	.048433 / 3.8	T=	6.632 / 1.2		
LAT= 12.0	U=	5.684 / 10.2	V=	3.008 / .8	W=	.045634 / 3.8	T=	6.171 / 1.2		
LAT= 18.0	U=	5.708 / 10.2	V=	4.241 / .8	W=	.041231 / 3.8	T=	5.467 / 1.2		
LAT= 24.0	U=	5.723 / 10.1	V=	5.240 / .8	W=	.035596 / 3.8	T=	4.601 / 1.3		
LAT= 30.0	U=	5.707 / 10.1	V=	5.832 / .9	W=	.029204 / 3.9	T=	3.666 / 1.3		
LAT= 36.0	U=	5.631 / 10.1	V=	6.130 / .9	W=	.022637 / 3.9	T=	2.758 / 1.4		
LAT= 42.0	U=	5.454 / 10.1	V=	6.135 / 1.0	W=	.016447 / 4.0	T=	1.951 / 1.6		
LAT= 48.0	U=	5.144 / 10.1	V=	5.735 / 1.0	W=	.011077 / 4.2	T=	1.286 / 1.8		
LAT= 54.0	U=	4.700 / 10.2	V=	5.159 / 1.1	W=	.006917 / 4.4	T=	.802 / 2.1		
LAT= 60.0	U=	4.098 / 10.2	V=	4.430 / 1.2	W=	.003867 / 4.7	T=	.462 / 2.6		
LAT= 66.0	U=	3.372 / 10.3	V=	3.535 / 1.3	W=	.002111 / 5.3	T=	.285 / 3.3		
LAT= 72.0	U=	2.626 / 10.4	V=	2.654 / 1.4	W=	.001229 / 5.7	T=	.174 / 3.4		
LAT= 78.0	U=	1.783 / 10.4	V=	1.724 / 1.5	W=	.000545 / 5.4	T=	.070 / 3.0		
LAT= 84.0	U=	.864 / 10.5	V=	.797 / 1.6	W=	.000156 / 4.3	T=	.017 / 1.4		
Z = 129.367 KM										
LAT= 0.0	U=	5.789 / 9.6	V=	0.000 / 3.4	W=	.058291 / 3.5	T=	7.359 / .8		
LAT= 6.0	U=	5.782 / 9.6	V=	1.641 / .1	W=	.057144 / 3.5	T=	7.188 / .8		
LAT= 12.0	U=	5.787 / 9.6	V=	3.156 / .1	W=	.053863 / 3.5	T=	6.709 / .8		
LAT= 18.0	U=	5.792 / 9.5	V=	4.433 / .1	W=	.048709 / 3.5	T=	5.977 / .9		
LAT= 24.0	U=	5.784 / 9.5	V=	5.393 / .1	W=	.042124 / 3.5	T=	5.073 / .9		
LAT= 30.0	U=	5.743 / 9.4	V=	5.993 / .2	W=	.034680 / 3.6	T=	4.095 / 1.0		
LAT= 36.0	U=	5.641 / 9.4	V=	6.227 / .2	W=	.027071 / 3.7	T=	3.142 / 1.2		
LAT= 42.0	U=	5.440 / 9.4	V=	6.124 / .3	W=	.019931 / 3.8	T=	2.292 / 1.3		
LAT= 48.0	U=	5.109 / 9.4	V=	5.736 / .4	W=	.013739 / 4.0	T=	1.581 / 1.6		
LAT= 54.0	U=	4.660 / 9.5	V=	5.127 / .5	W=	.008943 / 4.3	T=	1.052 / 1.9		
LAT= 60.0	U=	4.062 / 9.6	V=	4.364 / .6	W=	.005347 / 4.7	T=	.659 / 2.3		
LAT= 66.0	U=	3.352 / 9.7	V=	3.513 / .7	W=	.003274 / 5.2	T=	.433 / 2.8		
LAT= 72.0	U=	2.616 / 9.7	V=	2.619 / .7	W=	.001994 / 5.4	T=	.258 / 2.8		
LAT= 78.0	U=	1.770 / 9.6	V=	1.703 / .8	W=	.000923 / 5.0	T=	.097 / 2.5		
LAT= 84.0	U=	.855 / 9.8	V=	.789 / 1.1	W=	.000203 / 3.8	T=	.018 / 1.0		
Z = 135.169 KM										
LAT= 0.0	U=	5.876 / 9.0	V=	0.000 / 9.3	W=	.066031 / 3.1	T=	7.476 / .4		
LAT= 6.0	U=	5.871 / 9.0	V=	1.704 / 11.4	W=	.064715 / 3.1	T=	7.314 / .5		
LAT= 12.0	U=	5.889 / 9.0	V=	3.270 / 11.5	W=	.051046 / 3.1	T=	6.860 / .5		
LAT= 18.0	U=	5.916 / 8.9	V=	4.575 / 11.5	W=	.055275 / 3.2	T=	6.165 / .6		
LAT= 24.0	U=	5.927 / 8.8	V=	5.538 / 11.5	W=	.047892 / 3.2	T=	5.296 / .6		
LAT= 30.0	U=	5.897 / 8.8	V=	6.121 / 11.6	W=	.039549 / 3.3	T=	4.343 / .8		
LAT= 36.0	U=	5.796 / 8.8	V=	6.330 / 11.6	W=	.031056 / 3.5	T=	3.407 / .9		
LAT= 42.0	U=	5.583 / 8.8	V=	6.203 / 11.7	W=	.023121 / 3.6	T=	2.558 / 1.1		
LAT= 48.0	U=	5.233 / 8.8	V=	5.801 / 11.8	W=	.016240 / 3.9	T=	1.830 / 1.4		
LAT= 54.0	U=	4.770 / 8.9	V=	5.190 / 11.9	W=	.010913 / 4.2	T=	1.272 / 1.7		
LAT= 60.0	U=	4.164 / 8.9	V=	4.431 / .0	W=	.006833 / 4.6	T=	.834 / 2.0		
LAT= 66.0	U=	3.454 / 9.0	V=	3.581 / .1	W=	.004458 / 5.1	T=	.563 / 2.4		
LAT= 72.0	U=	2.699 / 9.1	V=	2.679 / .1	W=	.002723 / 5.1	T=	.329 / 2.4		
LAT= 78.0	U=	1.819 / 9.1	V=	1.747 / .3	W=	.001051 / 4.7	T=	.118 / 2.1		
LAT= 84.0	U=	.877 / 9.3	V=	.816 / .5	W=	.000230 / 3.1	T=	.017 / .7		
Z = 141.722 KM										
LAT= 0.0	U=	5.939 / 8.5	V=	0.000 / 8.8	W=	.072618 / 2.7	T=	7.322 / .1		
LAT= 6.0	U=	5.944 / 8.4	V=	1.729 / 10.9	W=	.071198 / 2.7	T=	7.176 / .1		
LAT= 12.0	U=	5.997 / 8.4	V=	3.317 / 10.9	W=	.067161 / 2.8	T=	6.769 / .2		
LAT= 18.0	U=	6.072 / 9.3	V=	4.642 / 10.9	W=	.060823 / 2.8	T=	6.141 / .3		
LAT= 24.0	U=	6.126 / 8.3	V=	5.622 / 10.9	W=	.052729 / 2.9	T=	5.345 / .4		
LAT= 30.0	U=	6.124 / 8.2	V=	6.221 / 11.0	W=	.043623 / 3.0	T=	4.459 / .5		
LAT= 36.0	U=	6.033 / 8.2	V=	6.443 / 11.1	W=	.034427 / 3.2	T=	3.574 / .7		
LAT= 42.0	U=	5.815 / 8.2	V=	6.329 / 11.1	W=	.025893 / 3.4	T=	2.753 / .9		
LAT= 48.0	U=	5.444 / 8.2	V=	5.939 / 11.2	W=	.018496 / 3.7	T=	2.028 / 1.2		
LAT= 54.0	U=	4.962 / 8.3	V=	5.378 / 11.3	W=	.012753 / 4.0	T=	1.451 / 1.5		
LAT= 60.0	U=	4.339 / 8.4	V=	4.583 / 11.4	W=	.008253 / 4.4	T=	.979 / 1.8		
LAT= 66.0	U=	3.620 / 8.5	V=	3.724 / 11.5	W=	.005586 / 4.9	T=	.670 / 2.1		
LAT= 72.0	U=	2.835 / 8.6	V=	2.799 / 11.6	W=	.003378 / 4.8	T=	.384 / 2.0		
LAT= 78.0	U=	1.902 / 8.6	V=	1.831 / 11.7	W=	.001238 / 4.4	T=	.135 / 1.7		
LAT= 84.0	U=	.918 / 8.7	V=	.866 / .1	W=	.000245 / 2.5	T=	.015 / .6		

Table B1. Amplitude and Phase for the (2,2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

Z = 149.425 KM										$T_0 = 1000$ K	
LAT= 0.0	U=	5.990 / 7.9	V=	0.000 / 8.3	W=	.078700 / 2.3	T=	6.998 / 11.3			
LAT= 6.0	U=	6.005 / 7.9	V=	1.715 / 10.3	W=	.077121 / 2.3	T=	6.870 / 11.8			
LAT= 12.0	U=	6.090 / 7.9	V=	3.295 / 10.3	W=	.072650 / 2.4	T=	6.516 / 11.9			
LAT= 18.0	U=	6.209 / 7.8	V=	4.624 / 10.4	W=	.065681 / 2.5	T=	5.966 / .0			
LAT= 24.0	U=	6.298 / 7.8	V=	5.620 / 10.4	W=	.056862 / 2.6	T=	5.260 / .1			
LAT= 30.0	U=	6.314 / 7.7	V=	6.246 / 10.5	W=	.047051 / 2.7	T=	4.458 / .3			
LAT= 36.0	U=	6.229 / 7.7	V=	6.504 / 10.5	W=	.037286 / 2.9	T=	3.646 / .5			
LAT= 42.0	U=	6.006 / 7.7	V=	6.423 / 10.6	W=	.028328 / 3.2	T=	2.874 / .7			
LAT= 48.0	U=	5.620 / 7.8	V=	6.063 / 10.7	W=	.020584 / 3.5	T=	2.167 / .9			
LAT= 54.0	U=	5.126 / 7.9	V=	5.483 / 10.8	W=	.014534 / 3.8	T=	1.584 / 1.2			
LAT= 60.0	U=	4.496 / 7.9	V=	4.736 / 10.9	W=	.009665 / 4.2	T=	1.090 / 1.5			
LAT= 66.0	U=	3.777 / 8.0	V=	3.869 / 11.0	W=	.006699 / 4.6	T=	.751 / 1.7			
LAT= 72.0	U=	2.964 / 8.1	V=	2.921 / 11.1	W=	.004004 / 4.5	T=	.426 / 1.6			
LAT= 78.0	U=	1.983 / 8.1	V=	1.918 / 11.3	W=	.001427 / 4.1	T=	.149 / 1.4			
LAT= 84.0	U=	.957 / 8.3	V=	.921 / 11.7	W=	.000237 / 2.2	T=	.015 / .7			
Z = 158.420 KM											
LAT= 0.0	U=	6.012 / 7.4	V=	0.000 / 6.1	W=	.084672 / 1.9	T=	6.577 / 11.5			
LAT= 6.0	U=	6.026 / 7.4	V=	1.670 / 9.8	W=	.082900 / 1.9	T=	6.467 / 11.5			
LAT= 12.0	U=	6.116 / 7.3	V=	3.217 / 9.8	W=	.077918 / 2.0	T=	6.162 / 11.6			
LAT= 18.0	U=	6.246 / 7.3	V=	4.528 / 9.8	W=	.070232 / 2.1	T=	5.689 / 11.7			
LAT= 24.0	U=	6.338 / 7.3	V=	5.526 / 9.9	W=	.060644 / 2.2	T=	5.074 / 11.8			
LAT= 30.0	U=	6.349 / 7.3	V=	6.173 / 10.0	W=	.050153 / 2.4	T=	4.364 / .0			
LAT= 36.0	U=	6.266 / 7.3	V=	6.462 / 10.1	W=	.039909 / 2.6	T=	3.635 / .2			
LAT= 42.0	U=	6.051 / 7.3	V=	6.421 / 10.2	W=	.030653 / 2.9	T=	2.926 / .4			
LAT= 48.0	U=	5.570 / 7.4	V=	6.099 / 10.3	W=	.022689 / 3.2	T=	2.251 / .7			
LAT= 54.0	U=	5.189 / 7.4	V=	5.552 / 10.4	W=	.016418 / 3.5	T=	1.673 / .9			
LAT= 60.0	U=	4.579 / 7.5	V=	4.826 / 10.5	W=	.011208 / 3.9	T=	1.167 / 1.1			
LAT= 66.0	U=	3.880 / 7.6	V=	3.965 / 10.6	W=	.007916 / 4.2	T=	.810 / 1.3			
LAT= 72.0	U=	3.053 / 7.6	V=	3.005 / 10.7	W=	.004680 / 4.1	T=	.456 / 1.2			
LAT= 78.0	U=	2.040 / 7.7	V=	1.982 / 10.9	W=	.001639 / 3.8	T=	.163 / 1.0			
LAT= 84.0	U=	.988 / 7.9	V=	.967 / 11.3	W=	.000187 / 2.3	T=	.019 / .9			
Z = 181.310 KM											
LAT= 0.0	U=	5.775 / 6.4	V=	0.000 / 10.8	W=	.095967 / 1.0	T=	5.701 / 10.9			
LAT= 6.0	U=	5.773 / 6.4	V=	1.514 / 8.8	W=	.093759 / 1.0	T=	5.620 / 11.0			
LAT= 12.0	U=	5.832 / 6.4	V=	2.925 / 8.9	W=	.087682 / 1.1	T=	5.397 / 11.1			
LAT= 18.0	U=	5.939 / 6.4	V=	4.139 / 8.9	W=	.078586 / 1.2	T=	5.051 / 11.2			
LAT= 24.0	U=	6.011 / 6.4	V=	5.064 / 9.0	W=	.067660 / 1.4	T=	4.596 / 11.4			
LAT= 30.0	U=	6.013 / 6.4	V=	5.724 / 9.1	W=	.056133 / 1.6	T=	4.053 / 11.6			
LAT= 36.0	U=	5.960 / 6.5	V=	6.050 / 9.2	W=	.045254 / 1.9	T=	3.483 / 11.8			
LAT= 42.0	U=	5.805 / 6.5	V=	6.077 / 9.4	W=	.035625 / 2.2	T=	2.902 / .0			
LAT= 48.0	U=	5.483 / 6.6	V=	5.849 / 9.5	W=	.027371 / 2.5	T=	2.308 / .2			
LAT= 54.0	U=	5.073 / 6.7	V=	5.410 / 9.6	W=	.020766 / 2.9	T=	1.761 / .4			
LAT= 60.0	U=	4.550 / 6.8	V=	4.785 / 9.7	W=	.014867 / 3.2	T=	1.257 / .6			
LAT= 66.0	U=	3.940 / 6.8	V=	3.995 / 9.8	W=	.010810 / 3.4	T=	.880 / .7			
LAT= 72.0	U=	3.119 / 6.9	V=	3.063 / 10.0	W=	.006254 / 3.3	T=	.494 / .6			
LAT= 78.0	U=	2.085 / 6.9	V=	2.041 / 10.1	W=	.002136 / 3.3	T=	.188 / .5			
LAT= 84.0	U=	1.018 / 7.1	V=	1.024 / 10.6	W=	.000149 / 4.6	T=	.033 / .8			
Z = 209.665 KM											
LAT= 0.0	U=	5.061 / 5.7	V=	0.000 / 4.2	W=	.105298 / .2	T=	5.126 / 10.7			
LAT= 6.0	U=	5.056 / 5.7	V=	1.317 / 8.1	W=	.102625 / .2	T=	5.066 / 10.7			
LAT= 12.0	U=	5.098 / 5.7	V=	2.549 / 8.2	W=	.095528 / .3	T=	4.900 / 10.9			
LAT= 18.0	U=	5.205 / 5.7	V=	3.622 / 8.3	W=	.085373 / .4	T=	4.638 / 11.0			
LAT= 24.0	U=	5.314 / 5.7	V=	4.475 / 8.4	W=	.073726 / .6	T=	4.284 / 11.2			
LAT= 30.0	U=	5.385 / 5.8	V=	5.079 / 8.5	W=	.061818 / .9	T=	3.844 / 11.4			
LAT= 36.0	U=	5.438 / 5.8	V=	5.425 / 8.6	W=	.050580 / 1.2	T=	3.372 / 11.6			
LAT= 42.0	U=	5.393 / 5.9	V=	5.520 / 8.8	W=	.040378 / 1.5	T=	2.875 / 11.8			
LAT= 48.0	U=	5.157 / 6.0	V=	5.294 / 8.9	W=	.031488 / 1.9	T=	2.336 / .0			
LAT= 54.0	U=	4.825 / 6.1	V=	5.092 / 9.0	W=	.024262 / 2.2	T=	1.813 / .1			
LAT= 60.0	U=	4.393 / 6.2	V=	4.586 / 9.2	W=	.017771 / 2.6	T=	1.311 / .2			
LAT= 66.0	U=	3.882 / 6.3	V=	3.900 / 9.3	W=	.012991 / 2.8	T=	.923 / .3			
LAT= 72.0	U=	3.094 / 6.3	V=	3.033 / 9.4	W=	.007322 / 2.7	T=	.517 / .2			
LAT= 78.0	U=	2.076 / 6.3	V=	2.043 / 9.6	W=	.002521 / 2.9	T=	.207 / .2			
LAT= 84.0	U=	1.019 / 6.5	V=	1.045 / 10.0	W=	.000336 / 4.6	T=	.044 / .6			

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1000$ K										
Z = 240.988 KM										
LAT= 0.0	U=	4.381 / 5.1	V=	0.000 / 4.2	W=	.114149 / 11.6	T=	4.896 / 10.6		
LAT= 6.0	U=	4.382 / 5.1	V=	1.167 / 7.6	W=	.111119 / 11.6	T=	4.848 / 10.6		
LAT= 12.0	U=	4.428 / 5.1	V=	2.262 / 7.7	W=	.103294 / 11.7	T=	4.712 / 10.8		
LAT= 18.0	U=	4.555 / 5.2	V=	3.222 / 7.8	W=	.092384 / 11.8	T=	4.493 / 10.9		
LAT= 24.0	U=	4.731 / 5.3	V=	4.007 / 7.9	W=	.080064 / 11.9	T=	4.187 / 11.1		
LAT= 30.0	U=	4.905 / 5.3	V=	4.556 / 8.1	W=	.067552 / 12.0	T=	3.792 / 11.3		
LAT= 36.0	U=	5.086 / 5.4	V=	4.976 / 8.2	W=	.055443 / 12.1	T=	3.361 / 11.5		
LAT= 42.0	U=	5.152 / 5.5	V=	5.136 / 8.4	W=	.043973 / 12.2	T=	2.900 / 11.6		
LAT= 48.0	U=	4.982 / 5.6	V=	5.092 / 8.5	W=	.033847 / 12.3	T=	2.383 / 11.8		
LAT= 54.0	U=	4.691 / 5.7	V=	4.868 / 8.7	W=	.025941 / 12.4	T=	1.865 / 11.9		
LAT= 60.0	U=	4.306 / 5.8	V=	4.459 / 8.8	W=	.018789 / 12.5	T=	1.357 / 12.1		
LAT= 66.0	U=	3.850 / 5.9	V=	3.841 / 8.9	W=	.013546 / 12.6	T=	.956 / 12.3		
LAT= 72.0	U=	3.079 / 6.0	V=	3.012 / 9.0	W=	.007364 / 12.7	T=	.536 / 12.5		
LAT= 78.0	U=	2.077 / 6.0	V=	2.042 / 9.2	W=	.002478 / 12.8	T=	.220 / 12.7		
LAT= 84.0	U=	1.023 / 6.2	V=	1.055 / 9.7	W=	.000594 / 12.9	T=	.051 / 12.9		
Z = 272.801 KM										
LAT= 0.0	U=	4.048 / 4.8	V=	0.000 / 4.2	W=	.124124 / 11.1	T=	4.842 / 10.5		
LAT= 6.0	U=	4.055 / 4.8	V=	1.024 / 7.3	W=	.120889 / 11.1	T=	4.759 / 10.6		
LAT= 12.0	U=	4.111 / 4.8	V=	2.103 / 7.4	W=	.112617 / 11.2	T=	4.678 / 10.7		
LAT= 18.0	U=	4.256 / 4.9	V=	3.007 / 7.5	W=	.101016 / 11.3	T=	4.477 / 10.9		
LAT= 24.0	U=	4.481 / 4.9	V=	3.727 / 7.7	W=	.087594 / 11.5	T=	4.189 / 11.1		
LAT= 30.0	U=	4.729 / 5.0	V=	4.328 / 7.8	W=	.073711 / 11.8	T=	3.811 / 11.3		
LAT= 36.0	U=	4.999 / 5.2	V=	4.768 / 8.0	W=	.059973 / 12.0	T=	3.355 / 11.4		
LAT= 42.0	U=	5.136 / 5.3	V=	4.909 / 8.2	W=	.046694 / 12.1	T=	2.944 / 11.6		
LAT= 48.0	U=	4.998 / 5.4	V=	5.006 / 8.3	W=	.034980 / 12.2	T=	2.431 / 11.7		
LAT= 54.0	U=	4.718 / 5.5	V=	4.829 / 8.5	W=	.026143 / 12.3	T=	1.910 / 11.9		
LAT= 60.0	U=	4.339 / 5.6	V=	4.420 / 8.6	W=	.018564 / 12.4	T=	1.394 / 12.1		
LAT= 66.0	U=	3.895 / 5.7	V=	3.866 / 8.7	W=	.013094 / 12.5	T=	.982 / 12.3		
LAT= 72.0	U=	3.114 / 5.7	V=	3.042 / 8.8	W=	.008620 / 12.6	T=	.550 / 12.5		
LAT= 78.0	U=	2.104 / 5.8	V=	2.066 / 9.0	W=	.002039 / 12.7	T=	.229 / 12.7		
LAT= 84.0	U=	1.038 / 6.0	V=	1.068 / 9.5	W=	.000604 / 12.8	T=	.056 / 12.9		
Z = 304.762 KM										
LAT= 0.0	U=	3.971 / 4.5	V=	0.000 / 4.2	W=	.135227 / 10.7	T=	4.867 / 10.5		
LAT= 6.0	U=	3.992 / 4.5	V=	1.046 / 7.1	W=	.131870 / 10.7	T=	4.828 / 10.6		
LAT= 12.0	U=	4.045 / 4.6	V=	2.053 / 7.2	W=	.123282 / 10.8	T=	4.711 / 10.7		
LAT= 18.0	U=	4.203 / 4.7	V=	2.921 / 7.4	W=	.110984 / 10.9	T=	4.517 / 10.9		
LAT= 24.0	U=	4.457 / 4.8	V=	3.624 / 7.5	W=	.096164 / 11.1	T=	4.235 / 11.0		
LAT= 30.0	U=	4.747 / 4.9	V=	4.328 / 7.7	W=	.080398 / 11.4	T=	3.860 / 11.2		
LAT= 36.0	U=	5.066 / 5.0	V=	4.753 / 7.9	W=	.064575 / 11.7	T=	3.446 / 11.4		
LAT= 42.0	U=	5.239 / 5.1	V=	5.009 / 8.0	W=	.049233 / 12.0	T=	2.956 / 11.5		
LAT= 48.0	U=	5.112 / 5.2	V=	5.024 / 8.2	W=	.035741 / 12.3	T=	2.480 / 11.7		
LAT= 54.0	U=	4.825 / 5.4	V=	4.829 / 8.3	W=	.025787 / 12.6	T=	1.952 / 11.8		
LAT= 60.0	U=	4.437 / 5.5	V=	4.535 / 8.5	W=	.017800 / 12.9	T=	1.426 / 12.0		
LAT= 66.0	U=	3.966 / 5.6	V=	3.943 / 8.6	W=	.012250 / 13.2	T=	1.004 / 12.2		
LAT= 72.0	U=	3.184 / 5.6	V=	3.104 / 8.7	W=	.006169 / 13.5	T=	.562 / 12.4		
LAT= 78.0	U=	2.149 / 5.6	V=	2.107 / 8.9	W=	.001415 / 13.8	T=	.236 / 12.6		
LAT= 84.0	U=	1.061 / 5.9	V=	1.087 / 9.4	W=	.000913 / 14.1	T=	.059 / 12.8		
Z = 336.754 KM										
LAT= 0.0	U=	4.010 / 4.4	V=	0.000 / 4.2	W=	.147195 / 10.4	T=	4.935 / 10.5		
LAT= 6.0	U=	4.024 / 4.4	V=	1.033 / 7.0	W=	.143762 / 10.4	T=	4.846 / 10.6		
LAT= 12.0	U=	4.093 / 4.5	V=	2.013 / 7.1	W=	.134933 / 10.5	T=	4.781 / 10.7		
LAT= 18.0	U=	4.259 / 4.5	V=	2.905 / 7.3	W=	.121972 / 10.6	T=	4.586 / 10.9		
LAT= 24.0	U=	4.531 / 4.7	V=	3.624 / 7.4	W=	.105693 / 10.8	T=	4.304 / 11.0		
LAT= 30.0	U=	4.844 / 4.8	V=	4.332 / 7.6	W=	.087873 / 11.1	T=	3.927 / 11.2		
LAT= 36.0	U=	5.187 / 4.9	V=	4.813 / 7.8	W=	.069809 / 11.3	T=	3.509 / 11.4		
LAT= 42.0	U=	5.376 / 5.0	V=	5.021 / 8.0	W=	.052351 / 11.6	T=	3.054 / 11.5		
LAT= 48.0	U=	5.251 / 5.2	V=	5.122 / 8.1	W=	.036680 / 11.9	T=	2.530 / 11.7		
LAT= 54.0	U=	4.954 / 5.3	V=	4.926 / 8.3	W=	.025665 / 12.2	T=	1.993 / 11.8		
LAT= 60.0	U=	4.552 / 5.4	V=	4.635 / 8.4	W=	.017131 / 12.5	T=	1.456 / 11.9		
LAT= 66.0	U=	4.088 / 5.5	V=	4.035 / 8.5	W=	.011506 / 12.8	T=	1.026 / 12.1		
LAT= 72.0	U=	3.259 / 5.5	V=	3.177 / 8.6	W=	.005789 / 13.1	T=	.574 / 12.3		
LAT= 78.0	U=	2.200 / 5.5	V=	2.155 / 8.8	W=	.000948 / 13.4	T=	.241 / 12.5		
LAT= 84.0	U=	1.085 / 5.8	V=	1.106 / 9.3	W=	.000947 / 13.7	T=	.061 / 12.7		

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1000$ K

Z= 368.753 KM

LAT= 0.0	U= 4.089 / 4.4	V= 0.000 / 4.2	W= .160012 / 10.2	T= 5.024 / 10.5
LAT= 6.0	U= 4.105 / 4.4	V= 1.034 / 7.0	W= .156541 / 10.2	T= 4.985 / 10.5
LAT= 12.0	U= 4.178 / 4.4	V= 2.021 / 7.1	W= .147552 / 10.2	T= 4.868 / 10.7
LAT= 18.0	U= 4.351 / 4.5	V= 2.926 / 7.2	W= .134019 / 10.4	T= 4.673 / 10.9
LAT= 24.0	U= 4.633 / 4.6	V= 3.723 / 7.4	W= .116367 / 10.5	T= 4.387 / 11.0
LAT= 30.0	U= 4.959 / 4.7	V= 4.392 / 7.6	W= .096523 / 10.7	T= 4.004 / 11.2
LAT= 36.0	U= 5.318 / 4.9	V= 4.893 / 7.7	W= .076257 / 11.0	T= 3.579 / 11.4
LAT= 42.0	U= 5.517 / 5.0	V= 5.175 / 7.9	W= .056763 / 11.2	T= 3.116 / 11.5
LAT= 48.0	U= 5.387 / 5.1	V= 5.235 / 8.1	W= .039515 / 11.5	T= 2.583 / 11.7
LAT= 54.0	U= 5.080 / 5.2	V= 5.092 / 8.2	W= .026627 / 11.8	T= 2.036 / 11.8
LAT= 60.0	U= 4.664 / 5.4	V= 4.738 / 8.4	W= .017277 / .0	T= 1.488 / 11.9
LAT= 66.0	U= 4.187 / 5.5	V= 4.128 / 8.5	W= .011399 / .1	T= 1.047 / .0
LAT= 72.0	U= 3.334 / 5.5	V= 3.249 / 8.6	W= .006015 / 11.7	T= .586 / 11.9
LAT= 78.0	U= 2.250 / 5.6	V= 2.202 / 8.8	W= .001250 / 10.6	T= .247 / .0
LAT= 84.0	U= 1.111 / 5.8	V= 1.130 / 9.3	W= .000941 / 5.2	T= .062 / .2

Z= 400.753 KM

LAT= 0.0	U= 4.177 / 4.3	V= 0.000 / 4.2	W= .173636 / 9.9	T= 5.122 / 10.5
LAT= 6.0	U= 4.194 / 4.3	V= 1.045 / 6.9	W= .170176 / 9.9	T= 5.082 / 10.5
LAT= 12.0	U= 4.270 / 4.4	V= 2.045 / 7.1	W= .161132 / 10.0	T= 4.964 / 10.7
LAT= 18.0	U= 4.448 / 4.5	V= 2.947 / 7.2	W= .147167 / 10.1	T= 4.765 / 10.9
LAT= 24.0	U= 4.737 / 4.6	V= 3.752 / 7.4	W= .128307 / 10.3	T= 4.475 / 11.0
LAT= 30.0	U= 5.072 / 4.7	V= 4.468 / 7.6	W= .106586 / 10.5	T= 4.084 / 11.2
LAT= 36.0	U= 5.440 / 4.9	V= 4.954 / 7.7	W= .084269 / 10.7	T= 3.652 / 11.4
LAT= 42.0	U= 5.645 / 5.0	V= 5.276 / 7.9	W= .062907 / 10.8	T= 3.180 / 11.5
LAT= 48.0	U= 5.512 / 5.1	V= 5.340 / 8.1	W= .043876 / 11.0	T= 2.636 / 11.7
LAT= 54.0	U= 5.195 / 5.2	V= 5.198 / 8.2	W= .029315 / 11.2	T= 2.078 / 11.8
LAT= 60.0	U= 4.765 / 5.4	V= 4.839 / 8.4	W= .018851 / 11.4	T= 1.519 / 11.9
LAT= 66.0	U= 4.280 / 5.4	V= 4.216 / 8.5	W= .012388 / 11.5	T= 1.069 / .0
LAT= 72.0	U= 3.406 / 5.5	V= 3.318 / 8.6	W= .006991 / 11.0	T= .599 / 11.9
LAT= 78.0	U= 2.297 / 5.5	V= 2.248 / 8.8	W= .002109 / 9.9	T= .252 / 11.9
LAT= 84.0	U= 1.134 / 5.8	V= 1.153 / 9.2	W= .000931 / 5.7	T= .064 / .2

Table B1. Amplitude and Phase for the (2,2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1200$ K												
Z = 100.017 KM												
LAT= 0.0	U=	2.649 /	.7	V=	0.000 /	11.4	W=	.005708 /	5.3	T=	1.000 /	6.0
LAT= 6.0	U=	2.688 /	.7	V=	.943 /	3.6	W=	.005490 /	5.3	T=	.975 /	6.0
LAT= 12.0	U=	2.801 /	.7	V=	1.804 /	3.6	W=	.004892 /	5.3	T=	.906 /	6.0
LAT= 18.0	U=	2.948 /	.7	V=	2.515 /	3.6	W=	.003995 /	5.4	T=	.804 /	6.1
LAT= 24.0	U=	3.093 /	.7	V=	3.037 /	3.7	W=	.002964 /	5.4	T=	.682 /	6.2
LAT= 30.0	U=	3.195 /	.7	V=	3.358 /	3.7	W=	.001952 /	5.6	T=	.555 /	6.2
LAT= 36.0	U=	3.224 /	.7	V=	3.484 /	3.7	W=	.001111 /	5.9	T=	.430 /	6.3
LAT= 42.0	U=	3.163 /	.7	V=	3.436 /	3.7	W=	.000562 /	6.8	T=	.316 /	6.4
LAT= 48.0	U=	3.005 /	.7	V=	3.242 /	3.7	W=	.000375 /	8.3	T=	.217 /	6.5
LAT= 54.0	U=	2.755 /	.7	V=	2.930 /	3.7	W=	.000366 /	9.4	T=	.139 /	6.6
LAT= 60.0	U=	2.416 /	.7	V=	2.530 /	3.7	W=	.000307 /	9.7	T=	.078 /	6.6
LAT= 66.0	U=	2.002 /	.7	V=	2.070 /	3.7	W=	.000241 /	10.5	T=	.040 /	7.2
LAT= 72.0	U=	1.558 /	.6	V=	1.569 /	3.6	W=	.000140 /	10.5	T=	.019 /	6.9
LAT= 78.0	U=	1.062 /	.6	V=	1.043 /	3.7	W=	.000139 /	9.5	T=	.013 /	6.1
LAT= 84.0	U=	.522 /	.7	V=	.506 /	3.7	W=	.000037 /	8.9	T=	.004 /	5.6
Z = 103.521 KM												
LAT= 0.0	U=	3.057 /	.6	V=	0.000 /	5.1	W=	.008782 /	5.1	T=	1.050 /	5.5
LAT= 6.0	U=	3.097 /	.6	V=	1.050 /	3.4	W=	.008485 /	5.1	T=	1.027 /	5.5
LAT= 12.0	U=	3.211 /	.6	V=	2.010 /	3.4	W=	.007658 /	5.2	T=	.965 /	5.5
LAT= 18.0	U=	3.362 /	.6	V=	2.812 /	3.5	W=	.006419 /	5.2	T=	.866 /	5.6
LAT= 24.0	U=	3.514 /	.6	V=	3.413 /	3.5	W=	.004981 /	5.3	T=	.744 /	5.7
LAT= 30.0	U=	3.627 /	.6	V=	3.860 /	3.6	W=	.003536 /	5.4	T=	.608 /	5.8
LAT= 36.0	U=	3.671 /	.6	V=	3.977 /	3.6	W=	.002256 /	5.6	T=	.469 /	5.9
LAT= 42.0	U=	3.622 /	.7	V=	3.958 /	3.7	W=	.001246 /	5.8	T=	.339 /	6.1
LAT= 48.0	U=	3.465 /	.7	V=	3.765 /	3.7	W=	.000543 /	6.0	T=	.226 /	6.3
LAT= 54.0	U=	3.200 /	.7	V=	3.426 /	3.7	W=	.000122 /	6.9	T=	.138 /	6.5
LAT= 60.0	U=	2.823 /	.7	V=	2.972 /	3.7	W=	.000068 /	11.5	T=	.072 /	6.7
LAT= 66.0	U=	2.350 /	.7	V=	2.438 /	3.7	W=	.000187 /	.1	T=	.039 /	7.8
LAT= 72.0	U=	1.832 /	.7	V=	1.850 /	3.7	W=	.000146 /	.6	T=	.017 /	8.1
LAT= 78.0	U=	1.251 /	.7	V=	1.230 /	3.7	W=	.000073 /	10.6	T=	.011 /	6.7
LAT= 84.0	U=	.616 /	.7	V=	.597 /	3.8	W=	.000030 /	8.9	T=	.004 /	5.6
Z = 107.177 KM												
LAT= 0.0	U=	3.596 /	.4	V=	0.000 /	5.0	W=	.013373 /	5.0	T=	1.263 /	4.5
LAT= 6.0	U=	3.638 /	.4	V=	1.116 /	3.3	W=	.013001 /	5.0	T=	1.240 /	4.5
LAT= 12.0	U=	3.758 /	.4	V=	2.174 /	3.4	W=	.011955 /	5.0	T=	1.173 /	4.5
LAT= 18.0	U=	3.932 /	.4	V=	3.119 /	3.4	W=	.010361 /	5.1	T=	1.061 /	4.6
LAT= 24.0	U=	4.127 /	.5	V=	3.896 /	3.4	W=	.008446 /	5.1	T=	.910 /	4.7
LAT= 30.0	U=	4.297 /	.5	V=	4.456 /	3.4	W=	.006420 /	5.2	T=	.731 /	4.8
LAT= 36.0	U=	4.396 /	.5	V=	4.765 /	3.4	W=	.004496 /	5.2	T=	.542 /	4.9
LAT= 42.0	U=	4.380 /	.5	V=	4.812 /	3.5	W=	.002843 /	5.2	T=	.363 /	5.1
LAT= 48.0	U=	4.215 /	.5	V=	4.610 /	3.5	W=	.001580 /	5.0	T=	.212 /	5.3
LAT= 54.0	U=	3.896 /	.5	V=	4.195 /	3.5	W=	.000749 /	4.5	T=	.107 /	5.9
LAT= 60.0	U=	3.427 /	.5	V=	3.622 /	3.5	W=	.000408 /	3.4	T=	.042 /	6.7
LAT= 66.0	U=	2.831 /	.5	V=	2.948 /	3.5	W=	.000290 /	1.8	T=	.041 /	8.8
LAT= 72.0	U=	2.188 /	.5	V=	2.216 /	3.5	W=	.000276 /	1.6	T=	.029 /	9.6
LAT= 78.0	U=	1.488 /	.5	V=	1.458 /	3.5	W=	.000070 /	1.4	T=	.006 /	8.4
LAT= 84.0	U=	.731 /	.5	V=	.697 /	3.6	W=	.000017 /	7.7	T=	.004 /	5.0
Z = 111.019 KM												
LAT= 0.0	U=	4.408 /	.1	V=	0.000 /	4.7	W=	.020565 /	4.7	T=	2.253 /	3.2
LAT= 6.0	U=	4.449 /	.1	V=	1.331 /	3.0	W=	.020057 /	4.7	T=	2.204 /	3.2
LAT= 12.0	U=	4.569 /	.1	V=	2.594 /	3.0	W=	.018613 /	4.8	T=	2.046 /	3.2
LAT= 18.0	U=	4.742 /	.1	V=	3.719 /	3.0	W=	.016381 /	4.8	T=	1.798 /	3.3
LAT= 24.0	U=	4.932 /	.1	V=	4.639 /	3.0	W=	.013634 /	4.8	T=	1.486 /	3.3
LAT= 30.0	U=	5.090 /	.1	V=	5.289 /	3.0	W=	.010653 /	4.8	T=	1.142 /	3.3
LAT= 36.0	U=	5.164 /	.1	V=	5.626 /	3.0	W=	.007746 /	4.8	T=	.799 /	3.4
LAT= 42.0	U=	5.100 /	.1	V=	5.645 /	3.0	W=	.005170 /	4.7	T=	.494 /	3.4
LAT= 48.0	U=	4.867 /	.1	V=	5.363 /	3.0	W=	.003119 /	4.5	T=	.251 /	3.5
LAT= 54.0	U=	4.459 /	.1	V=	4.835 /	3.0	W=	.001671 /	4.2	T=	.086 /	3.7
LAT= 60.0	U=	3.893 /	.1	V=	4.134 /	3.1	W=	.000887 /	3.5	T=	.006 /	11.7
LAT= 66.0	U=	3.181 /	.1	V=	3.335 /	3.1	W=	.000386 /	2.4	T=	.056 /	9.2
LAT= 72.0	U=	2.447 /	.1	V=	2.488 /	3.1	W=	.000230 /	1.6	T=	.049 /	9.5
LAT= 78.0	U=	1.665 /	.1	V=	1.623 /	3.1	W=	.000128 /	2.3	T=	.010 /	10.2
LAT= 84.0	U=	.813 /	.1	V=	.761 /	3.3	W=	.000028 /	4.0	T=	.004 /	3.0

Table B1. Amplitude and Phase for the (2,2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 1200 K

Z = 115.091 KM

LAT= 0.0	U= 5.050 / 11.5	V= 0.000 / 4.4	W= .029893 / 4.4	T= 4.166 / 2.2
LAT= 6.0	U= 5.080 / 11.5	V= 1.489 / 2.3	W= .029162 / 4.4	T= 4.050 / 2.2
LAT= 12.0	U= 5.165 / 11.5	V= 2.687 / 2.3	W= .027088 / 4.4	T= 3.719 / 2.2
LAT= 18.0	U= 5.284 / 11.5	V= 4.102 / 2.3	W= .023696 / 4.4	T= 3.219 / 2.2
LAT= 24.0	U= 5.404 / 11.5	V= 5.060 / 2.3	W= .019975 / 4.4	T= 2.617 / 2.2
LAT= 30.0	U= 5.483 / 11.5	V= 5.763 / 2.3	W= .015735 / 4.4	T= 1.983 / 2.2
LAT= 36.0	U= 5.474 / 11.4	V= 5.998 / 2.3	W= .011594 / 4.3	T= 1.385 / 2.3
LAT= 42.0	U= 5.335 / 11.4	V= 5.951 / 2.4	W= .007899 / 4.3	T= .871 / 2.3
LAT= 48.0	U= 5.037 / 11.4	V= 5.569 / 2.4	W= .004897 / 4.2	T= .473 / 2.3
LAT= 54.0	U= 4.579 / 11.5	V= 5.006 / 2.4	W= .002702 / 4.1	T= .201 / 2.3
LAT= 60.0	U= 3.976 / 11.5	V= 4.251 / 2.5	W= .001347 / 3.7	T= .053 / 1.5
LAT= 66.0	U= 3.228 / 11.6	V= 3.412 / 2.5	W= .000379 / 3.5	T= .043 / 7.7
LAT= 72.0	U= 2.489 / 11.6	V= 2.536 / 2.6	W= .000212 / 2.0	T= .042 / 8.3
LAT= 78.0	U= 1.694 / 11.6	V= 1.645 / 2.6	W= .000168 / 2.7	T= .012 / 10.5
LAT= 84.0	U= .824 / 11.6	V= .764 / 2.8	W= .000073 / 3.2	T= .007 / .7

Z = 119.451 KM

LAT= 0.0	U= 5.296 / 10.8	V= 0.000 / 4.0	W= .039865 / 4.0	T= 6.161 / 1.4
LAT= 6.0	U= 5.308 / 10.8	V= 1.542 / 1.5	W= .038887 / 4.0	T= 5.983 / 1.4
LAT= 12.0	U= 5.350 / 10.8	V= 2.972 / 1.5	W= .036121 / 4.0	T= 5.486 / 1.5
LAT= 18.0	U= 5.402 / 10.8	V= 4.188 / 1.5	W= .031887 / 4.0	T= 4.740 / 1.5
LAT= 24.0	U= 5.443 / 10.8	V= 5.115 / 1.5	W= .026711 / 4.0	T= 3.852 / 1.5
LAT= 30.0	U= 5.442 / 10.7	V= 5.702 / 1.6	W= .021140 / 4.0	T= 2.934 / 1.5
LAT= 36.0	U= 5.362 / 10.7	V= 5.934 / 1.6	W= .015717 / 4.0	T= 2.079 / 1.6
LAT= 42.0	U= 5.170 / 10.7	V= 5.830 / 1.6	W= .010858 / 4.0	T= 1.352 / 1.7
LAT= 48.0	U= 4.842 / 10.8	V= 5.438 / 1.7	W= .006888 / 4.0	T= .790 / 1.8
LAT= 54.0	U= 4.378 / 10.8	V= 4.828 / 1.8	W= .003939 / 4.1	T= .406 / 2.0
LAT= 60.0	U= 3.787 / 10.8	V= 4.077 / 1.8	W= .001955 / 4.0	T= .164 / 2.2
LAT= 66.0	U= 3.069 / 10.9	V= 3.258 / 1.9	W= .000764 / 5.0	T= .096 / 4.2
LAT= 72.0	U= 2.373 / 11.0	V= 2.414 / 2.0	W= .000281 / 5.0	T= .047 / 4.8
LAT= 78.0	U= 1.608 / 11.0	V= 1.560 / 2.0	W= .000201 / 3.4	T= .010 / 1.3
LAT= 84.0	U= .780 / 11.0	V= .719 / 2.3	W= .000105 / 2.8	T= .012 / .1

Z = 124.175 KM

LAT= 0.0	U= 5.342 / 10.2	V= 0.000 / 3.6	W= .049597 / 3.6	T= 7.496 / .9
LAT= 6.0	U= 5.339 / 10.1	V= 1.575 / .7	W= .048398 / 3.6	T= 7.296 / .9
LAT= 12.0	U= 5.346 / 10.1	V= 3.022 / .7	W= .045017 / 3.6	T= 6.700 / .9
LAT= 18.0	U= 5.350 / 10.1	V= 4.227 / .7	W= .039839 / 3.6	T= 5.820 / 1.0
LAT= 24.0	U= 5.338 / 10.0	V= 5.115 / .8	W= .033499 / 3.7	T= 4.771 / 1.0
LAT= 30.0	U= 5.289 / 10.0	V= 5.642 / .8	W= .026671 / 3.7	T= 3.682 / 1.1
LAT= 36.0	U= 5.172 / 10.0	V= 5.810 / .9	W= .020016 / 3.7	T= 2.667 / 1.2
LAT= 42.0	U= 4.954 / 10.0	V= 5.653 / .9	W= .014050 / 3.8	T= 1.801 / 1.3
LAT= 48.0	U= 4.618 / 10.1	V= 5.230 / 1.0	W= .009123 / 3.9	T= 1.125 / 1.5
LAT= 54.0	U= 4.164 / 10.1	V= 4.613 / 1.1	W= .005481 / 4.1	T= .661 / 1.9
LAT= 60.0	U= 3.592 / 10.2	V= 3.874 / 1.2	W= .002878 / 4.3	T= .339 / 2.2
LAT= 66.0	U= 2.915 / 10.3	V= 3.084 / 1.3	W= .001647 / 5.3	T= .241 / 3.3
LAT= 72.0	U= 2.253 / 10.3	V= 2.278 / 1.3	W= .000819 / 5.4	T= .124 / 3.3
LAT= 78.0	U= 1.518 / 10.3	V= 1.469 / 1.4	W= .000294 / 4.2	T= .032 / 2.2
LAT= 84.0	U= .734 / 10.4	V= .674 / 1.7	W= .000122 / 2.7	T= .013 / 0.0

Z = 129.367 KM

LAT= 0.0	U= 5.326 / 9.5	V= 0.000 / 3.2	W= .058474 / 3.2	T= 8.088 / .5
LAT= 6.0	U= 5.315 / 9.5	V= 1.619 / 11.9	W= .057111 / 3.3	T= 7.876 / .5
LAT= 12.0	U= 5.309 / 9.5	V= 3.046 / 11.9	W= .053267 / 3.3	T= 7.286 / .5
LAT= 18.0	U= 5.295 / 9.4	V= 4.204 / .0	W= .047349 / 3.3	T= 6.392 / .6
LAT= 24.0	U= 5.271 / 9.3	V= 5.168 / .0	W= .040045 / 3.3	T= 5.314 / .7
LAT= 30.0	U= 5.212 / 9.3	V= 5.653 / .1	W= .032121 / 3.4	T= 4.181 / .8
LAT= 36.0	U= 5.085 / 9.3	V= 5.773 / .2	W= .024354 / 3.5	T= 3.112 / .9
LAT= 42.0	U= 4.861 / 9.3	V= 5.574 / .3	W= .017357 / 3.6	T= 2.135 / 1.1
LAT= 48.0	U= 4.523 / 9.4	V= 5.127 / .3	W= .011549 / 3.8	T= 1.445 / 1.4
LAT= 54.0	U= 4.079 / 9.4	V= 4.504 / .4	W= .007277 / 4.1	T= .927 / 1.7
LAT= 60.0	U= 3.515 / 9.5	V= 3.774 / .5	W= .004079 / 4.4	T= .536 / 2.1
LAT= 66.0	U= 2.868 / 9.6	V= 2.999 / .6	W= .002769 / 5.2	T= .399 / 2.8
LAT= 72.0	U= 2.212 / 9.7	V= 2.213 / .7	W= .001476 / 5.3	T= .209 / 2.8
LAT= 78.0	U= 1.480 / 9.7	V= 1.426 / .8	W= .000449 / 4.5	T= .058 / 2.2
LAT= 84.0	U= .712 / 9.8	V= .655 / 1.0	W= .000140 / 2.6	T= .014 / 11.7

Table B1. Amplitude and Phase for the (2,2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1200$ K										
Z = 135.169 KM										
LAT= 0.0	U=	5.277 / 8.9	V=	0.000 / 9.0	W=	.066066 / 2.8	T=	8.188 / .1		
LAT= 6.0	U=	5.269 / 8.9	V=	1.651 / 11.2	W=	.064591 / 2.9	T=	7.993 / .1		
LAT= 12.0	U=	5.278 / 8.8	V=	3.151 / 11.3	W=	.060434 / 2.9	T=	7.450 / .2		
LAT= 18.0	U=	5.289 / 8.7	V=	4.372 / 11.3	W=	.053988 / 2.9	T=	6.619 / .2		
LAT= 24.0	U=	5.289 / 8.7	V=	5.232 / 11.4	W=	.045951 / 3.0	T=	5.597 / .3		
LAT= 30.0	U=	5.253 / 8.6	V=	5.703 / 11.4	W=	.037150 / 3.1	T=	4.503 / .5		
LAT= 36.0	U=	5.141 / 8.6	V=	5.804 / 11.5	W=	.028464 / 3.2	T=	3.449 / .6		
LAT= 42.0	U=	4.919 / 8.6	V=	5.592 / 11.6	W=	.020587 / 3.4	T=	2.511 / .9		
LAT= 48.0	U=	4.577 / 8.7	V=	5.140 / 11.7	W=	.014007 / 3.7	T=	1.739 / 1.2		
LAT= 54.0	U=	4.135 / 8.8	V=	4.521 / 11.8	W=	.009171 / 4.0	T=	1.181 / 1.5		
LAT= 60.0	U=	3.566 / 8.8	V=	3.797 / 11.9	W=	.005398 / 4.4	T=	.728 / 1.9		
LAT= 66.0	U=	2.935 / 9.0	V=	3.027 / .0	W=	.003933 / 5.1	T=	.544 / 2.4		
LAT= 72.0	U=	2.261 / 9.0	V=	2.238 / .1	W=	.002114 / 5.1	T=	.284 / 2.3		
LAT= 78.0	U=	1.502 / 9.1	V=	1.444 / .2	W=	.000607 / 4.4	T=	.081 / 2.0		
LAT= 84.0	U=	.722 / 9.2	V=	.668 / .5	W=	.000166 / 2.1	T=	.013 / 11.4		
Z = 141.772 KM										
LAT= 0.0	U=	5.221 / 8.3	V=	0.000 / 8.5	W=	.072515 / 2.4	T=	8.021 / 11.7		
LAT= 6.0	U=	5.224 / 8.3	V=	1.649 / 10.6	W=	.070950 / 2.4	T=	7.850 / 11.7		
LAT= 12.0	U=	5.270 / 8.2	V=	3.149 / 10.6	W=	.066540 / 2.5	T=	7.373 / 11.8		
LAT= 18.0	U=	5.331 / 8.1	V=	4.375 / 10.7	W=	.059679 / 2.6	T=	6.636 / 11.9		
LAT= 24.0	U=	5.381 / 8.1	V=	5.246 / 10.7	W=	.051067 / 2.7	T=	5.711 / 0.0		
LAT= 30.0	U=	5.382 / 8.0	V=	5.734 / 10.8	W=	.041583 / 2.8	T=	4.696 / .2		
LAT= 36.0	U=	5.292 / 8.0	V=	5.855 / 10.9	W=	.032185 / 3.0	T=	3.695 / .4		
LAT= 42.0	U=	5.072 / 8.0	V=	5.663 / 11.0	W=	.023620 / 3.2	T=	2.777 / .6		
LAT= 48.0	U=	4.723 / 8.1	V=	5.231 / 11.1	W=	.016404 / 3.5	T=	1.992 / .9		
LAT= 54.0	U=	4.276 / 8.2	V=	4.628 / 11.2	W=	.011064 / 3.9	T=	1.403 / 1.2		
LAT= 60.0	U=	3.696 / 8.3	V=	3.912 / 11.3	W=	.006742 / 4.2	T=	.899 / 1.6		
LAT= 66.0	U=	3.072 / 8.4	V=	3.136 / 11.4	W=	.005033 / 4.8	T=	.666 / 1.9		
LAT= 72.0	U=	2.367 / 8.4	V=	2.329 / 11.5	W=	.002679 / 4.8	T=	.347 / 1.9		
LAT= 78.0	U=	1.565 / 8.5	V=	1.508 / 11.6	W=	.000755 / 4.3	T=	.101 / 1.7		
LAT= 84.0	U=	.753 / 8.6	V=	.708 / .0	W=	.000192 / 1.7	T=	.012 / 11.1		
Z = 149.425 KM										
LAT= 0.0	U=	5.185 / 7.7	V=	0.000 / 8.0	W=	.078366 / 2.0	T=	7.712 / 11.3		
LAT= 6.0	U=	5.199 / 7.7	V=	1.610 / 10.0	W=	.076701 / 2.0	T=	7.564 / 11.3		
LAT= 12.0	U=	5.281 / 7.6	V=	3.083 / 10.0	W=	.072025 / 2.1	T=	7.154 / 11.4		
LAT= 18.0	U=	5.388 / 7.6	V=	4.301 / 10.1	W=	.064756 / 2.2	T=	6.514 / 11.5		
LAT= 24.0	U=	5.476 / 7.5	V=	5.186 / 10.1	W=	.055628 / 2.3	T=	5.695 / 11.6		
LAT= 30.0	U=	5.504 / 7.5	V=	5.704 / 10.2	W=	.045576 / 2.5	T=	4.776 / 11.8		
LAT= 36.0	U=	5.426 / 7.5	V=	5.867 / 10.3	W=	.035627 / 2.7	T=	3.848 / 0.0		
LAT= 42.0	U=	5.206 / 7.5	V=	5.719 / 10.4	W=	.026539 / 3.0	T=	2.969 / .3		
LAT= 48.0	U=	4.351 / 7.6	V=	5.325 / 10.5	W=	.018808 / 3.3	T=	2.189 / .6		
LAT= 54.0	U=	4.405 / 7.7	V=	4.747 / 10.6	W=	.013006 / 3.7	T=	1.580 / .9		
LAT= 60.0	U=	3.823 / 7.7	V=	4.042 / 10.8	W=	.008144 / 4.0	T=	1.038 / 1.2		
LAT= 66.0	U=	3.205 / 7.9	V=	3.260 / 10.9	W=	.006100 / 4.5	T=	.761 / 1.5		
LAT= 72.0	U=	2.475 / 7.9	V=	2.432 / 11.0	W=	.003207 / 4.4	T=	.395 / 1.4		
LAT= 78.0	U=	1.634 / 7.9	V=	1.582 / 11.1	W=	.000919 / 4.1	T=	.120 / 1.3		
LAT= 84.0	U=	.788 / 8.1	V=	.758 / 11.6	W=	.000190 / 1.6	T=	.011 / 11.4		
Z = 158.420 KM										
LAT= 0.0	U=	5.194 / 7.1	V=	0.000 / 5.5	W=	.083919 / 1.6	T=	7.315 / 10.9		
LAT= 6.0	U=	5.199 / 7.1	V=	1.548 / 9.4	W=	.082153 / 1.6	T=	7.188 / 10.9		
LAT= 12.0	U=	5.285 / 7.0	V=	2.973 / 9.4	W=	.077211 / 1.7	T=	6.836 / 11.0		
LAT= 18.0	U=	5.400 / 7.0	V=	4.165 / 9.5	W=	.069550 / 1.8	T=	6.283 / 11.1		
LAT= 24.0	U=	5.488 / 7.0	V=	5.053 / 9.6	W=	.059958 / 1.9	T=	5.566 / 11.3		
LAT= 30.0	U=	5.514 / 7.0	V=	5.599 / 9.7	W=	.049422 / 2.1	T=	4.746 / 11.5		
LAT= 36.0	U=	5.440 / 7.0	V=	5.805 / 9.8	W=	.039039 / 2.4	T=	3.903 / 11.7		
LAT= 42.0	U=	5.227 / 7.0	V=	5.706 / 9.9	W=	.029550 / 2.7	T=	3.081 / 11.9		
LAT= 48.0	U=	4.884 / 7.1	V=	5.357 / 10.0	W=	.021386 / 3.0	T=	2.323 / .2		
LAT= 54.0	U=	4.459 / 7.2	V=	4.815 / 10.1	W=	.015144 / 3.4	T=	1.707 / .5		
LAT= 60.0	U=	3.896 / 7.2	V=	4.129 / 10.2	W=	.009725 / 3.7	T=	1.142 / .8		
LAT= 66.0	U=	3.297 / 7.4	V=	3.349 / 10.4	W=	.007268 / 4.0	T=	.829 / 1.0		
LAT= 72.0	U=	2.552 / 7.4	V=	2.508 / 10.5	W=	.003780 / 4.0	T=	.430 / 1.0		
LAT= 78.0	U=	1.687 / 7.4	V=	1.639 / 10.7	W=	.001108 / 3.8	T=	.139 / .9		
LAT= 84.0	U=	.816 / 7.7	V=	.812 / 11.2	W=	.000142 / 1.6	T=	.012 / 0.0		

Table B1. Amplitude and Phase for the (2,2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1200$ K									
Z = 181.310 KM									
LAT= 0.0	U=	5.160 / 6.0	V=	0.000 / 4.3	W=	.092948 / .7	T=	6.317 / 10.2	
LAT= 6.0	U=	5.160 / 6.0	V=	1.377 / 8.3	W=	.091048 / .7	T=	6.226 / 10.2	
LAT= 12.0	U=	5.214 / 6.0	V=	2.658 / 8.4	W=	.085765 / .8	T=	5.972 / 10.3	
LAT= 18.0	U=	5.293 / 6.0	V=	3.756 / 8.4	W=	.077622 / .9	T=	5.574 / 10.5	
LAT= 24.0	U=	5.337 / 6.0	V=	4.605 / 8.5	W=	.067498 / 1.1	T=	5.048 / 10.6	
LAT= 30.0	U=	5.332 / 6.0	V=	5.172 / 8.6	W=	.056448 / 1.4	T=	4.425 / 10.9	
LAT= 36.0	U=	5.262 / 6.0	V=	5.443 / 8.7	W=	.045664 / 1.6	T=	3.768 / 11.1	
LAT= 42.0	U=	5.080 / 6.0	V=	5.438 / 8.9	W=	.035802 / 1.9	T=	3.094 / 11.3	
LAT= 48.0	U=	4.776 / 6.1	V=	5.194 / 9.0	W=	.027103 / 2.2	T=	2.420 / 11.6	
LAT= 54.0	U=	4.412 / 6.2	V=	4.752 / 9.2	W=	.020161 / 2.6	T=	1.830 / 11.8	
LAT= 60.0	U=	3.914 / 6.3	V=	4.145 / 9.3	W=	.013654 / 2.9	T=	1.264 / 12.0	
LAT= 66.0	U=	3.381 / 6.4	V=	3.410 / 9.4	W=	.010300 / 3.1	T=	.906 / 12.1	
LAT= 72.0	U=	2.623 / 6.4	V=	2.577 / 9.5	W=	.005342 / 3.0	T=	.475 / 12.0	
LAT= 78.0	U=	1.735 / 6.5	V=	1.700 / 9.8	W=	.001618 / 3.1	T=	.169 / 12.1	
LAT= 84.0	U=	.847 / 6.8	V=	.861 / 10.3	W=	.000054 / 5.4	T=	.025 / 12.5	
Z = 209.865 KM									
LAT= 0.0	U=	4.696 / 5.1	V=	0.000 / 4.1	W=	.097868 / 11.7	T=	5.342 / 9.2	
LAT= 6.0	U=	4.690 / 5.1	V=	1.160 / 7.5	W=	.095787 / 11.8	T=	5.236 / 9.8	
LAT= 12.0	U=	4.719 / 5.1	V=	2.250 / 7.5	W=	.090158 / 11.9	T=	5.121 / 9.9	
LAT= 18.0	U=	4.782 / 5.1	V=	3.204 / 7.6	W=	.081724 / 12.0	T=	4.857 / 10.1	
LAT= 24.0	U=	4.820 / 5.1	V=	3.965 / 7.7	W=	.071594 / 12.1	T=	4.490 / 10.3	
LAT= 30.0	U=	4.822 / 5.2	V=	4.504 / 7.8	W=	.060801 / 12.2	T=	4.030 / 10.5	
LAT= 36.0	U=	4.796 / 5.2	V=	4.802 / 8.0	W=	.050373 / 12.3	T=	3.528 / 10.7	
LAT= 42.0	U=	4.677 / 5.3	V=	4.866 / 8.1	W=	.040749 / 12.4	T=	2.989 / 10.9	
LAT= 48.0	U=	4.428 / 5.4	V=	4.727 / 8.3	W=	.032053 / 12.5	T=	2.406 / 11.1	
LAT= 54.0	U=	4.134 / 5.5	V=	4.410 / 8.4	W=	.024858 / 12.6	T=	1.862 / 11.3	
LAT= 60.0	U=	3.725 / 5.5	V=	3.928 / 8.5	W=	.017584 / 12.7	T=	1.318 / 11.4	
LAT= 66.0	U=	3.290 / 5.6	V=	3.296 / 8.6	W=	.013485 / 12.8	T=	.946 / 11.5	
LAT= 72.0	U=	2.572 / 5.6	V=	2.530 / 8.8	W=	.007149 / 12.9	T=	.504 / 11.6	
LAT= 78.0	U=	1.710 / 5.7	V=	1.695 / 9.0	W=	.002424 / 13.0	T=	.192 / 11.7	
LAT= 84.0	U=	.842 / 6.0	V=	.882 / 9.5	W=	.000153 / 13.1	T=	.035 / 11.8	
Z = 240.988 KM									
LAT= 0.0	U=	3.879 / 4.4	V=	0.000 / 4.1	W=	.103218 / 10.9	T=	4.739 / 9.6	
LAT= 6.0	U=	3.877 / 4.4	V=	.965 / 6.8	W=	.100783 / 11.0	T=	4.707 / 9.7	
LAT= 12.0	U=	3.902 / 4.4	V=	1.875 / 6.9	W=	.094502 / 11.1	T=	4.606 / 9.8	
LAT= 18.0	U=	3.975 / 4.5	V=	2.682 / 7.0	W=	.085539 / 11.2	T=	4.430 / 10.0	
LAT= 24.0	U=	4.061 / 4.5	V=	3.343 / 7.1	W=	.075327 / 11.3	T=	4.162 / 10.1	
LAT= 30.0	U=	4.137 / 4.6	V=	3.835 / 7.2	W=	.064844 / 11.4	T=	3.797 / 10.3	
LAT= 36.0	U=	4.213 / 4.6	V=	4.139 / 7.4	W=	.054638 / 11.5	T=	3.386 / 10.5	
LAT= 42.0	U=	4.196 / 4.7	V=	4.252 / 7.5	W=	.044851 / 11.6	T=	2.927 / 10.7	
LAT= 48.0	U=	4.017 / 4.8	V=	4.196 / 7.7	W=	.035793 / 11.7	T=	2.401 / 10.8	
LAT= 54.0	U=	3.784 / 4.9	V=	3.930 / 7.8	W=	.028200 / 11.8	T=	1.885 / 11.0	
LAT= 60.0	U=	3.458 / 5.0	V=	3.630 / 8.0	W=	.020223 / 11.9	T=	1.353 / 11.1	
LAT= 66.0	U=	3.117 / 5.1	V=	3.107 / 8.1	W=	.015487 / 12.0	T=	.974 / 11.1	
LAT= 72.0	U=	2.462 / 5.1	V=	2.427 / 8.2	W=	.008233 / 12.1	T=	.527 / 11.1	
LAT= 78.0	U=	1.655 / 5.2	V=	1.652 / 8.4	W=	.003122 / 12.2	T=	.211 / 11.1	
LAT= 84.0	U=	.824 / 5.4	V=	.883 / 9.0	W=	.000476 / 12.3	T=	.043 / 11.5	
Z = 272.801 KM									
LAT= 0.0	U=	3.252 / 3.9	V=	0.000 / 4.1	W=	.111937 / 10.4	T=	4.439 / 9.5	
LAT= 6.0	U=	3.256 / 3.9	V=	.834 / 6.3	W=	.109156 / 10.4	T=	4.422 / 9.6	
LAT= 12.0	U=	3.286 / 3.9	V=	1.622 / 6.4	W=	.102172 / 10.5	T=	4.358 / 9.7	
LAT= 18.0	U=	3.376 / 4.0	V=	2.328 / 6.5	W=	.092458 / 10.6	T=	4.230 / 9.9	
LAT= 24.0	U=	3.516 / 4.0	V=	2.924 / 6.7	W=	.081594 / 10.7	T=	4.015 / 10.1	
LAT= 30.0	U=	3.674 / 4.1	V=	3.393 / 6.8	W=	.070626 / 10.8	T=	3.698 / 10.2	
LAT= 36.0	U=	3.854 / 4.2	V=	3.714 / 7.0	W=	.059741 / 10.9	T=	3.332 / 10.4	
LAT= 42.0	U=	3.927 / 4.3	V=	3.872 / 7.1	W=	.048905 / 11.0	T=	2.913 / 10.5	
LAT= 48.0	U=	3.799 / 4.4	V=	3.875 / 7.3	W=	.038806 / 11.1	T=	2.416 / 10.7	
LAT= 54.0	U=	3.597 / 4.5	V=	3.742 / 7.5	W=	.030458 / 11.2	T=	1.912 / 10.8	
LAT= 60.0	U=	3.312 / 4.6	V=	3.457 / 7.6	W=	.021688 / 11.3	T=	1.383 / 10.9	
LAT= 66.0	U=	3.020 / 4.7	V=	2.999 / 7.7	W=	.016359 / 11.4	T=	.996 / 10.9	
LAT= 72.0	U=	2.400 / 4.7	V=	2.366 / 7.8	W=	.008473 / 11.5	T=	.542 / 10.9	
LAT= 78.0	U=	1.627 / 4.8	V=	1.629 / 8.0	W=	.003337 / 11.6	T=	.224 / 10.9	
LAT= 84.0	U=	.816 / 5.0	V=	.865 / 8.6	W=	.000857 / 11.7	T=	.050 / 11.2	

Table B1. Amplitude and Phase for the (2,2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1200$ K										
Z = 304.762 KM										
LAT= 0.0	U=	2.962 / 3.5	V=	0.000 / 4.1	W=	.122396 / 10.0	T=	4.319 / 9.5		
LAT= 6.0	U=	2.970 / 3.5	V=	.762 / 5.9	W=	.119363 / 10.0	T=	4.310 / 9.5		
LAT= 12.0	U=	3.006 / 3.5	V=	1.484 / 6.0	W=	.111799 / 10.1	T=	4.265 / 9.7		
LAT= 18.0	U=	3.109 / 3.6	V=	2.141 / 6.2	W=	.101254 / 10.3	T=	4.162 / 9.8		
LAT= 24.0	U=	3.286 / 3.7	V=	2.712 / 6.4	W=	.089266 / 10.5	T=	3.971 / 10.0		
LAT= 30.0	U=	3.501 / 3.8	V=	3.185 / 6.5	W=	.077077 / 10.8	T=	3.676 / 10.2		
LAT= 36.0	U=	3.750 / 3.9	V=	3.532 / 6.7	W=	.064807 / 11.2	T=	3.331 / 10.3		
LAT= 42.0	U=	3.881 / 4.0	V=	3.725 / 6.9	W=	.052418 / 11.6	T=	2.931 / 10.5		
LAT= 48.0	U=	3.778 / 4.1	V=	3.767 / 7.0	W=	.040984 / 11.9	T=	2.444 / 10.6		
LAT= 54.0	U=	3.582 / 4.2	V=	3.673 / 7.2	W=	.031779 / .3	T=	1.942 / 10.7		
LAT= 60.0	U=	3.304 / 4.4	V=	3.426 / 7.3	W=	.022290 / .6	T=	1.410 / 10.8		
LAT= 66.0	U=	3.027 / 4.4	V=	2.994 / 7.5	W=	.016499 / .7	T=	1.016 / 10.8		
LAT= 72.0	U=	2.407 / 4.4	V=	2.372 / 7.6	W=	.008203 / .8	T=	.555 / 10.8		
LAT= 78.0	U=	1.638 / 4.5	V=	1.639 / 7.8	W=	.003126 / 1.4	T=	.233 / 10.8		
LAT= 84.0	U=	.824 / 4.8	V=	.895 / 8.3	W=	.001120 / 2.9	T=	.056 / 11.0		
Z = 336.754 KM										
LAT= 0.0	U=	2.892 / 3.3	V=	0.000 / 4.1	W=	.132910 / 9.7	T=	4.301 / 9.5		
LAT= 6.0	U=	2.903 / 3.3	V=	.727 / 5.7	W=	.129701 / 9.7	T=	4.296 / 9.5		
LAT= 12.0	U=	2.943 / 3.3	V=	1.420 / 5.8	W=	.121666 / 9.8	T=	4.259 / 9.6		
LAT= 18.0	U=	3.056 / 3.4	V=	2.061 / 6.0	W=	.110290 / 10.0	T=	4.167 / 9.8		
LAT= 24.0	U=	3.255 / 3.5	V=	2.634 / 6.2	W=	.096954 / 10.2	T=	3.988 / 10.0		
LAT= 30.0	U=	3.503 / 3.6	V=	3.122 / 6.4	W=	.083149 / 10.5	T=	3.702 / 10.1		
LAT= 36.0	U=	3.792 / 3.7	V=	3.495 / 6.5	W=	.069143 / 10.9	T=	3.363 / 10.3		
LAT= 42.0	U=	3.955 / 3.8	V=	3.714 / 6.7	W=	.055016 / 11.2	T=	2.968 / 10.4		
LAT= 48.0	U=	3.860 / 4.0	V=	3.781 / 6.9	W=	.042181 / 11.6	T=	2.482 / 10.6		
LAT= 54.0	U=	3.658 / 4.1	V=	3.707 / 7.1	W=	.032147 / .0	T=	1.977 / 10.7		
LAT= 60.0	U=	3.371 / 4.2	V=	3.475 / 7.2	W=	.022132 / .3	T=	1.437 / 10.8		
LAT= 66.0	U=	3.090 / 4.3	V=	3.048 / 7.3	W=	.016094 / .4	T=	1.035 / 10.8		
LAT= 72.0	U=	2.455 / 4.3	V=	2.417 / 7.4	W=	.007663 / .4	T=	.566 / 10.7		
LAT= 78.0	U=	1.671 / 4.4	V=	1.670 / 7.6	W=	.002657 / 1.2	T=	.240 / 10.7		
LAT= 84.0	U=	.842 / 4.7	V=	.912 / 8.2	W=	.001258 / 3.1	T=	.058 / 11.0		
Z = 368.753 KM										
LAT= 0.0	U=	2.923 / 3.1	V=	0.000 / 4.1	W=	.142763 / 9.4	T=	4.339 / 9.5		
LAT= 6.0	U=	2.935 / 3.1	V=	.713 / 5.6	W=	.139427 / 9.5	T=	4.335 / 9.5		
LAT= 12.0	U=	2.981 / 3.2	V=	1.399 / 5.7	W=	.131008 / 9.6	T=	4.303 / 9.6		
LAT= 18.0	U=	3.099 / 3.2	V=	2.042 / 5.9	W=	.118859 / 9.7	T=	4.216 / 9.8		
LAT= 24.0	U=	3.312 / 3.4	V=	2.626 / 6.1	W=	.104143 / 10.0	T=	4.039 / 10.0		
LAT= 30.0	U=	3.578 / 3.5	V=	3.133 / 6.3	W=	.088591 / 10.3	T=	3.754 / 10.1		
LAT= 36.0	U=	3.890 / 3.6	V=	3.527 / 6.4	W=	.072731 / 10.6	T=	3.415 / 10.3		
LAT= 42.0	U=	4.068 / 3.7	V=	3.765 / 6.6	W=	.056830 / 10.9	T=	3.019 / 10.4		
LAT= 48.0	U=	3.974 / 3.9	V=	3.845 / 6.8	W=	.042582 / 11.3	T=	2.528 / 10.5		
LAT= 54.0	U=	3.763 / 4.0	V=	3.781 / 7.0	W=	.031727 / 11.7	T=	2.016 / 10.7		
LAT= 60.0	U=	3.463 / 4.1	V=	3.555 / 7.1	W=	.021377 / 11.9	T=	1.466 / 10.8		
LAT= 66.0	U=	3.173 / 4.2	V=	3.123 / 7.2	W=	.015302 / .0	T=	1.056 / 10.7		
LAT= 72.0	U=	2.516 / 4.2	V=	2.476 / 7.4	W=	.007021 / .0	T=	.579 / 10.7		
LAT= 78.0	U=	1.712 / 4.3	V=	1.709 / 7.6	W=	.002059 / .9	T=	.245 / 10.7		
LAT= 84.0	U=	.862 / 4.6	V=	.929 / 8.1	W=	.001298 / 3.3	T=	.061 / 10.9		
Z = 400.753 KM										
LAT= 0.0	U=	2.987 / 3.0	V=	0.000 / 4.1	W=	.151789 / 9.2	T=	4.405 / 9.5		
LAT= 6.0	U=	3.000 / 3.1	V=	.712 / 5.5	W=	.148377 / 9.3	T=	4.402 / 9.5		
LAT= 12.0	U=	3.048 / 3.1	V=	1.402 / 5.6	W=	.139681 / 9.4	T=	4.371 / 9.6		
LAT= 18.0	U=	3.172 / 3.2	V=	2.054 / 5.8	W=	.126892 / 9.5	T=	4.285 / 9.8		
LAT= 24.0	U=	3.393 / 3.3	V=	2.652 / 6.0	W=	.110909 / 9.7	T=	4.108 / 10.0		
LAT= 30.0	U=	3.670 / 3.4	V=	3.177 / 6.2	W=	.093658 / 10.0	T=	3.820 / 10.1		
LAT= 36.0	U=	3.996 / 3.6	V=	3.587 / 6.4	W=	.075978 / 10.3	T=	3.478 / 10.3		
LAT= 42.0	U=	4.182 / 3.7	V=	3.837 / 6.6	W=	.058354 / 10.6	T=	3.076 / 10.4		
LAT= 48.0	U=	4.085 / 3.8	V=	3.925 / 6.8	W=	.042688 / 11.0	T=	2.577 / 10.5		
LAT= 54.0	U=	3.865 / 4.0	V=	3.865 / 6.9	W=	.030951 / 11.3	T=	2.056 / 10.7		
LAT= 60.0	U=	3.553 / 4.1	V=	3.639 / 7.1	W=	.020362 / 11.6	T=	1.496 / 10.8		
LAT= 66.0	U=	3.254 / 4.1	V=	3.198 / 7.2	W=	.014356 / 11.6	T=	1.078 / 10.7		
LAT= 72.0	U=	2.577 / 4.2	V=	2.555 / 7.3	W=	.006450 / 11.5	T=	.590 / 10.7		
LAT= 78.0	U=	1.751 / 4.3	V=	1.748 / 7.5	W=	.001437 / .4	T=	.251 / 10.7		
LAT= 84.0	U=	.882 / 4.5	V=	.949 / 8.0	W=	.001270 / 3.5	T=	.063 / 10.9		

Table B1. Amplitude and Phase for the (2,2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

Z = 100.017 KM										$T_0 = 1400$ K	
LAT= 0.0	U=	2.736 / .6	V=	0.000 / 11.1	W=	.005956 / 5.1	T=	1.000 / 6.0			
LAT= 6.0	U=	2.778 / .6	V=	.979 / 3.5	W=	.005726 / 5.1	T=	.975 / 6.1			
LAT= 12.0	U=	2.894 / .6	V=	1.869 / 3.5	W=	.005083 / 5.0	T=	.907 / 6.1			
LAT= 18.0	U=	3.046 / .6	V=	2.601 / 3.6	W=	.004116 / 5.0	T=	.806 / 6.2			
LAT= 24.0	U=	3.194 / .6	V=	3.135 / 3.6	W=	.002996 / 5.1	T=	.685 / 6.2			
LAT= 30.0	U=	3.297 / .6	V=	3.462 / 3.6	W=	.001890 / 5.1	T=	.559 / 6.3			
LAT= 36.0	U=	3.326 / .7	V=	3.591 / 3.7	W=	.000958 / 5.4	T=	.435 / 6.4			
LAT= 42.0	U=	3.265 / .7	V=	3.546 / 3.7	W=	.000343 / 6.4	T=	.321 / 6.5			
LAT= 48.0	U=	3.105 / .7	V=	3.350 / 3.7	W=	.000283 / 9.1	T=	.221 / 6.6			
LAT= 54.0	U=	2.850 / .7	V=	3.032 / 3.7	W=	.000380 / 10.0	T=	.140 / 6.7			
LAT= 60.0	U=	2.507 / .7	V=	2.622 / 3.7	W=	.000346 / 10.1	T=	.081 / 6.7			
LAT= 66.0	U=	2.074 / .7	V=	2.150 / 3.7	W=	.000264 / 10.7	T=	.039 / 7.2			
LAT= 72.0	U=	1.620 / .6	V=	1.632 / 3.7	W=	.000162 / 10.7	T=	.020 / 7.0			
LAT= 78.0	U=	1.108 / .6	V=	1.084 / 3.7	W=	.000143 / 9.7	T=	.013 / 6.3			
LAT= 84.0	U=	.543 / .7	V=	.523 / 3.7	W=	.000037 / 9.1	T=	.004 / 5.8			
Z = 103.521 KM											
LAT= 0.0	U=	3.114 / .5	V=	0.000 / 4.8	W=	.009059 / 4.9	T=	.996 / 5.5			
LAT= 6.0	U=	3.156 / .5	V=	1.061 / 3.3	W=	.008744 / 4.9	T=	.976 / 5.5			
LAT= 12.0	U=	3.271 / .5	V=	2.033 / 3.4	W=	.007866 / 4.9	T=	.921 / 5.6			
LAT= 18.0	U=	3.427 / .5	V=	2.848 / 3.4	W=	.006556 / 5.0	T=	.835 / 5.6			
LAT= 24.0	U=	3.585 / .6	V=	3.467 / 3.5	W=	.005040 / 5.1	T=	.724 / 5.8			
LAT= 30.0	U=	3.709 / .6	V=	3.873 / 3.5	W=	.003526 / 5.2	T=	.593 / 5.9			
LAT= 36.0	U=	3.764 / .6	V=	4.070 / 3.6	W=	.002193 / 5.3	T=	.467 / 6.0			
LAT= 42.0	U=	3.725 / .7	V=	4.068 / 3.7	W=	.001153 / 5.5	T=	.341 / 6.2			
LAT= 48.0	U=	3.577 / .7	V=	3.885 / 3.7	W=	.000445 / 5.8	T=	.230 / 6.4			
LAT= 54.0	U=	3.309 / .7	V=	3.545 / 3.7	W=	.000038 / 7.4	T=	.141 / 6.7			
LAT= 60.0	U=	2.929 / .7	V=	3.080 / 3.7	W=	.000131 / 11.8	T=	.077 / 6.8			
LAT= 66.0	U=	2.434 / .8	V=	2.529 / 3.7	W=	.000219 / .2	T=	.040 / 7.8			
LAT= 72.0	U=	1.902 / .7	V=	1.920 / 3.7	W=	.000167 / .5	T=	.019 / 8.1			
LAT= 78.0	U=	1.300 / .7	V=	1.275 / 3.7	W=	.000084 / 10.9	T=	.011 / 7.1			
LAT= 84.0	U=	.639 / .7	V=	.616 / 3.8	W=	.000031 / 9.2	T=	.004 / 5.9			
Z = 107.177 KM											
LAT= 0.0	U=	3.655 / .4	V=	0.000 / 4.7	W=	.013600 / 4.8	T=	1.163 / 4.4			
LAT= 6.0	U=	3.697 / .4	V=	1.107 / 3.3	W=	.013226 / 4.8	T=	1.145 / 4.4			
LAT= 12.0	U=	3.823 / .4	V=	2.168 / 3.3	W=	.012177 / 4.8	T=	1.091 / 4.4			
LAT= 18.0	U=	4.006 / .4	V=	3.132 / 3.3	W=	.010579 / 4.9	T=	.998 / 4.5			
LAT= 24.0	U=	4.218 / .4	V=	3.944 / 3.4	W=	.008655 / 5.0	T=	.866 / 4.6			
LAT= 30.0	U=	4.410 / .4	V=	4.547 / 3.4	W=	.006610 / 5.0	T=	.704 / 4.7			
LAT= 36.0	U=	4.532 / .5	V=	4.898 / 3.4	W=	.004654 / 5.1	T=	.527 / 4.8			
LAT= 42.0	U=	4.533 / .5	V=	4.975 / 3.4	W=	.002960 / 5.1	T=	.355 / 5.0			
LAT= 48.0	U=	4.378 / .5	V=	4.786 / 3.5	W=	.001654 / 4.9	T=	.210 / 5.3			
LAT= 54.0	U=	4.053 / .5	V=	4.366 / 3.5	W=	.000736 / 4.5	T=	.106 / 5.9			
LAT= 60.0	U=	3.574 / .5	V=	3.773 / 3.5	W=	.000405 / 3.4	T=	.046 / 6.8			
LAT= 66.0	U=	2.943 / .5	V=	3.072 / 3.5	W=	.000300 / 1.8	T=	.013 / 8.9			
LAT= 72.0	U=	2.279 / .5	V=	2.309 / 3.5	W=	.000271 / 1.4	T=	.005 / 9.4			
LAT= 78.0	U=	1.551 / .5	V=	1.517 / 3.6	W=	.000070 / 1.1	T=	.005 / 8.3			
LAT= 84.0	U=	.760 / .6	V=	.719 / 3.6	W=	.000019 / 8.0	T=	.005 / 5.3			
Z = 111.019 KM											
LAT= 0.0	U=	4.510 / 0.0	V=	0.000 / 4.6	W=	.020884 / 4.6	T=	2.332 / 3.0			
LAT= 6.0	U=	4.553 / 0.0	V=	1.342 / 3.0	W=	.020392 / 4.6	T=	2.278 / 3.0			
LAT= 12.0	U=	4.676 / 0.0	V=	2.620 / 2.9	W=	.018989 / 4.6	T=	2.120 / 3.0			
LAT= 18.0	U=	4.854 / 0.0	V=	3.769 / 2.9	W=	.016802 / 4.6	T=	1.871 / 3.0			
LAT= 24.0	U=	5.052 / 0.0	V=	4.716 / 2.9	W=	.014085 / 4.6	T=	1.556 / 3.0			
LAT= 30.0	U=	5.220 / 0.0	V=	5.347 / 2.9	W=	.011102 / 4.6	T=	1.203 / 3.1			
LAT= 36.0	U=	5.302 / 0.0	V=	5.762 / 2.9	W=	.008148 / 4.6	T=	.850 / 3.1			
LAT= 42.0	U=	5.244 / 0.0	V=	5.794 / 2.9	W=	.005491 / 4.6	T=	.531 / 3.2			
LAT= 48.0	U=	5.010 / 0.0	V=	5.516 / 3.0	W=	.003341 / 4.5	T=	.276 / 3.2			
LAT= 54.0	U=	4.593 / 0.0	V=	4.991 / 3.0	W=	.001790 / 4.2	T=	.098 / 3.3			
LAT= 60.0	U=	4.019 / 0.0	V=	4.263 / 3.0	W=	.000908 / 3.6	T=	.008 / 1.5			
LAT= 66.0	U=	3.272 / .1	V=	3.443 / 3.1	W=	.000369 / 2.4	T=	.056 / 9.1			
LAT= 72.0	U=	2.528 / .1	V=	2.571 / 3.1	W=	.000285 / 1.5	T=	.045 / 9.2			
LAT= 78.0	U=	1.724 / .1	V=	1.675 / 3.1	W=	.000102 / 2.4	T=	.008 / 9.5			
LAT= 84.0	U=	.840 / .1	V=	.779 / 3.2	W=	.000029 / 4.4	T=	.005 / 3.4			

Table B1. Amplitude and Phase for the (2,2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 1400 K

Z = 115.091 KM

LAT= 0.0	U= 5.100 / 11.4	V= 0.000 / 4.2	W= .030180 / 4.2	T= 4.592 / 1.9
LAT= 6.0	U= 5.127 / 11.4	V= 1.480 / 2.2	W= .029474 / 4.2	T= 4.467 / 1.9
LAT= 12.0	U= 5.210 / 11.4	V= 2.868 / 2.2	W= .027469 / 4.2	T= 4.115 / 1.9
LAT= 18.0	U= 5.322 / 11.4	V= 4.079 / 2.2	W= .024357 / 4.2	T= 3.578 / 1.9
LAT= 24.0	U= 5.435 / 11.4	V= 5.037 / 2.2	W= .020500 / 4.2	T= 2.930 / 2.0
LAT= 30.0	U= 5.506 / 11.4	V= 5.684 / 2.2	W= .016281 / 4.2	T= 2.243 / 2.0
LAT= 36.0	U= 5.491 / 11.3	V= 5.989 / 2.2	W= .012104 / 4.2	T= 1.587 / 2.0
LAT= 42.0	U= 5.351 / 11.3	V= 5.953 / 2.3	W= .008326 / 4.2	T= 1.018 / 2.0
LAT= 48.0	U= 5.055 / 11.3	V= 5.612 / 2.3	W= .005218 / 4.1	T= .572 / 2.0
LAT= 54.0	U= 4.598 / 11.4	V= 5.029 / 2.3	W= .002901 / 4.1	T= .260 / 2.1
LAT= 60.0	U= 4.007 / 11.4	V= 4.280 / 2.4	W= .001444 / 3.8	T= .083 / 1.8
LAT= 66.0	U= 3.245 / 11.5	V= 3.443 / 2.5	W= .000392 / 3.7	T= .038 / 1.7
LAT= 72.0	U= 2.522 / 11.5	V= 2.565 / 2.5	W= .000153 / 2.5	T= .037 / 1.5
LAT= 78.0	U= 1.720 / 11.5	V= 1.663 / 2.6	W= .000150 / 3.2	T= .005 / 11.8
LAT= 84.0	U= .833 / 11.6	V= .765 / 2.7	W= .000075 / 3.5	T= .009 / 1.2

Z = 119.451 KM

LAT= 0.0	U= 5.240 / 10.7	V= 0.000 / 3.9	W= .039822 / 3.9	T= 6.807 / 1.2
LAT= 6.0	U= 5.249 / 10.7	V= 1.495 / 1.4	W= .038881 / 3.9	T= 6.618 / 1.2
LAT= 12.0	U= 5.282 / 10.7	V= 2.882 / 1.4	W= .036222 / 3.9	T= 6.087 / 1.2
LAT= 18.0	U= 5.321 / 10.7	V= 4.065 / 1.4	W= .032120 / 3.9	T= 5.287 / 1.2
LAT= 24.0	U= 5.349 / 10.7	V= 4.967 / 1.4	W= .027071 / 3.9	T= 4.331 / 1.2
LAT= 30.0	U= 5.336 / 10.6	V= 5.543 / 1.4	W= .021588 / 3.9	T= 3.333 / 1.3
LAT= 36.0	U= 5.250 / 10.6	V= 5.777 / 1.5	W= .016188 / 3.9	T= 2.394 / 1.3
LAT= 42.0	U= 5.061 / 10.6	V= 5.689 / 1.5	W= .011306 / 3.9	T= 1.585 / 1.4
LAT= 48.0	U= 4.745 / 10.6	V= 5.322 / 1.6	W= .007263 / 3.9	T= .954 / 1.5
LAT= 54.0	U= 4.295 / 10.7	V= 4.741 / 1.7	W= .004216 / 4.0	T= .509 / 1.8
LAT= 60.0	U= 3.734 / 10.7	V= 4.016 / 1.7	W= .002175 / 4.0	T= .231 / 2.0
LAT= 66.0	U= 3.022 / 10.8	V= 3.220 / 1.8	W= .000853 / 4.9	T= .118 / 3.8
LAT= 72.0	U= 2.361 / 10.9	V= 2.394 / 1.9	W= .000393 / 5.1	T= .065 / 4.0
LAT= 78.0	U= 1.605 / 10.9	V= 1.546 / 2.0	W= .000239 / 3.9	T= .023 / 1.9
LAT= 84.0	U= .774 / 11.0	V= .706 / 2.2	W= .000114 / 3.2	T= .015 / .5

Z = 124.175 KM

LAT= 0.0	U= 5.200 / 10.1	V= 0.000 / 3.5	W= .049100 / 3.5	T= 8.143 / .
LAT= 6.0	U= 5.194 / 10.0	V= 1.497 / .5	W= .047953 / 3.5	T= 7.923 / .
LAT= 12.0	U= 5.191 / 10.0	V= 2.874 / .6	W= .044718 / 3.5	T= 7.311 / .7
LAT= 18.0	U= 5.181 / 10.0	V= 4.025 / .6	W= .039732 / 3.5	T= 6.384 / .7
LAT= 24.0	U= 5.157 / 9.9	V= 4.875 / .6	W= .033595 / 3.5	T= 5.273 / .8
LAT= 30.0	U= 5.098 / 9.9	V= 5.388 / .7	W= .026935 / 3.6	T= 4.109 / .9
LAT= 36.0	U= 4.979 / 9.9	V= 5.564 / .8	W= .020382 / 3.6	T= 3.012 / .9
LAT= 42.0	U= 4.772 / 9.9	V= 5.431 / .8	W= .014452 / 3.7	T= 2.064 / 1.1
LAT= 48.0	U= 4.458 / 10.0	V= 5.044 / .9	W= .009522 / 3.8	T= 1.316 / 1.3
LAT= 54.0	U= 4.028 / 10.0	V= 4.468 / 1.0	W= .005906 / 4.0	T= .787 / 1.6
LAT= 60.0	U= 3.498 / 10.1	V= 3.769 / 1.1	W= .002194 / 4.2	T= .426 / 1.9
LAT= 66.0	U= 2.838 / 10.2	V= 3.011 / 1.2	W= .001141 / 5.1	T= .277 / 3.0
LAT= 72.0	U= 2.218 / 10.3	V= 2.232 / 1.3	W= .000960 / 5.2	T= .154 / 2.9
LAT= 78.0	U= 1.500 / 10.2	V= 1.438 / 1.3	W= .000383 / 4.2	T= .049 / 1.8
LAT= 84.0	U= .720 / 10.3	V= .653 / 1.6	W= .000142 / 2.9	T= .019 / .1

Z = 129.367 KM

LAT= 0.0	U= 5.105 / 9.4	V= 0.000 / 3.1	W= .057477 / 3.1	T= 8.626 / .3
LAT= 6.0	U= 5.090 / 9.4	V= 1.512 / 11.8	W= .056177 / 3.1	T= 8.408 / .3
LAT= 12.0	U= 5.075 / 9.4	V= 2.894 / 11.8	W= .052520 / 3.1	T= 7.802 / .3
LAT= 18.0	U= 5.049 / 9.3	V= 4.031 / 11.9	W= .046854 / 3.2	T= 6.878 / .4
LAT= 24.0	U= 5.012 / 9.3	V= 4.851 / 11.9	W= .039829 / 3.2	T= 5.756 / .4
LAT= 30.0	U= 4.946 / 9.2	V= 5.323 / 0.0	W= .032162 / 3.3	T= 4.568 / .5
LAT= 36.0	U= 4.824 / 9.2	V= 5.454 / .1	W= .024581 / 3.4	T= 3.432 / .7
LAT= 42.0	U= 4.619 / 9.2	V= 5.289 / .2	W= .017688 / 3.5	T= 2.435 / .9
LAT= 48.0	U= 4.312 / 9.3	V= 4.888 / .3	W= .011912 / 3.7	T= 1.632 / 1.1
LAT= 54.0	U= 3.899 / 9.4	V= 4.315 / .4	W= .007600 / 4.0	T= 1.052 / 1.5
LAT= 60.0	U= 3.386 / 9.4	V= 3.653 / .5	W= .004433 / 4.2	T= .627 / 1.8
LAT= 66.0	U= 2.764 / 9.6	V= 2.898 / .5	W= .002831 / 5.1	T= .438 / 2.5
LAT= 72.0	U= 2.157 / 9.6	V= 2.146 / .6	W= .001513 / 5.0	T= .240 / 2.4
LAT= 78.0	U= 1.447 / 9.7	V= 1.381 / .7	W= .000554 / 4.2	T= .073 / 1.7
LAT= 84.0	U= .693 / 9.7	V= .627 / 1.0	W= .000174 / 2.6	T= .020 / 11.6

Table B1. Amplitude and Phase for the (2,2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 1400 K

Z = 135.169 KM

LAT= 0.0	U= 4.971 / 8.8	V= 0.000 / 8.9	W= .064545 / 2.7	T= 8.607 / 11.9
LAT= 6.0	U= 4.958 / 8.8	V= 1.517 / 11.2	W= .063145 / 2.7	T= 8.409 / 11.9
LAT= 12.0	U= 4.955 / 8.8	V= 2.898 / 11.2	W= .059209 / 2.8	T= 7.859 / 0.0
LAT= 18.0	U= 4.952 / 8.7	V= 4.029 / 11.2	W= .053071 / 2.8	T= 7.009 / 0.0
LAT= 24.0	U= 4.941 / 8.6	V= 4.836 / 11.3	W= .045390 / 2.9	T= 5.961 / .1
LAT= 30.0	U= 4.900 / 8.6	V= 5.290 / 11.4	W= .036935 / 3.0	T= 4.829 / .3
LAT= 36.0	U= 4.796 / 8.6	V= 5.407 / 11.4	W= .028514 / 3.1	T= 3.724 / .4
LAT= 42.0	U= 4.600 / 8.6	V= 5.233 / 11.5	W= .020806 / 3.3	T= 2.730 / .6
LAT= 48.0	U= 4.300 / 8.6	V= 4.834 / 11.6	W= .014325 / 3.5	T= 1.906 / .9
LAT= 54.0	U= 3.896 / 8.7	V= 4.271 / 11.7	W= .009438 / 3.9	T= 1.292 / 1.3
LAT= 60.0	U= 3.386 / 8.8	V= 3.604 / 11.8	W= .005738 / 4.2	T= .812 / 1.6
LAT= 66.0	U= 2.788 / 8.9	V= 2.883 / 11.9	W= .003945 / 4.9	T= .580 / 2.1
LAT= 72.0	U= 2.171 / 9.0	V= 2.139 / 0.0	W= .002231 / 4.8	T= .312 / 2.0
LAT= 78.0	U= 1.446 / 9.0	V= 1.379 / .2	W= .000711 / 4.0	T= .092 / 1.5
LAT= 84.0	U= .691 / 9.1	V= .632 / .5	W= .000211 / 2.0	T= .019 / 11.1

Z = 141.772 KM

LAT= 0.0	U= 4.819 / 8.2	V= 0.000 / 8.4	W= .070544 / 2.3	T= 8.358 / 11.5
LAT= 6.0	U= 4.817 / 8.2	V= 1.492 / 10.5	W= .069064 / 2.3	T= 8.185 / 11.6
LAT= 12.0	U= 4.850 / 8.2	V= 2.853 / 10.6	W= .064910 / 2.4	T= 7.708 / 11.6
LAT= 18.0	U= 4.894 / 8.1	V= 3.972 / 10.6	W= .058408 / 2.4	T= 6.958 / 11.7
LAT= 24.0	U= 4.933 / 8.0	V= 4.776 / 10.7	W= .050219 / 2.6	T= 6.015 / 11.8
LAT= 30.0	U= 4.933 / 8.0	V= 5.236 / 10.8	W= .041155 / 2.7	T= 4.973 / 0.0
LAT= 36.0	U= 4.853 / 8.0	V= 5.367 / 10.8	W= .032080 / 2.9	T= 3.931 / .1
LAT= 42.0	U= 4.665 / 8.0	V= 5.214 / 10.9	W= .023720 / 3.1	T= 2.964 / .4
LAT= 48.0	U= 4.365 / 8.1	V= 4.837 / 11.1	W= .016633 / 3.4	T= 2.137 / .8
LAT= 54.0	U= 3.963 / 8.1	V= 4.297 / 11.2	W= .011250 / 3.7	T= 1.499 / 1.0
LAT= 60.0	U= 3.450 / 8.2	V= 3.646 / 11.3	W= .007039 / 4.0	T= .973 / 1.3
LAT= 66.0	U= 2.864 / 8.4	V= 2.932 / 11.4	W= .004994 / 4.6	T= .696 / 1.7
LAT= 72.0	U= 2.229 / 8.4	V= 2.183 / 11.5	W= .002772 / 4.5	T= .371 / 1.6
LAT= 78.0	U= 1.475 / 8.5	V= 1.413 / 11.6	W= .000847 / 3.8	T= .109 / 1.2
LAT= 84.0	U= .706 / 8.6	V= .658 / 0.0	W= .000244 / 1.5	T= .016 / 10.6

Z = 149.425 KM

LAT= 0.0	U= 4.686 / 7.6	V= 0.000 / 7.9	W= .076170 / 1.9	T= 8.021 / 11.1
LAT= 6.0	U= 4.695 / 7.6	V= 1.438 / 9.9	W= .074602 / 1.9	T= 7.872 / 11.1
LAT= 12.0	U= 4.764 / 7.6	V= 2.756 / 10.0	W= .070221 / 2.0	T= 7.461 / 11.2
LAT= 18.0	U= 4.854 / 7.5	V= 3.851 / 10.0	W= .063361 / 2.1	T= 6.810 / 11.3
LAT= 24.0	U= 4.933 / 7.5	V= 4.653 / 10.1	W= .054709 / 2.2	T= 5.974 / 11.4
LAT= 30.0	U= 4.963 / 7.5	V= 5.131 / 10.2	W= .045118 / 2.4	T= 5.030 / 11.6
LAT= 36.0	U= 4.898 / 7.4	V= 5.292 / 10.3	W= .035506 / 2.6	T= 4.063 / 11.8
LAT= 42.0	U= 4.713 / 7.5	V= 5.176 / 10.4	W= .026610 / 2.8	T= 3.138 / 0.0
LAT= 48.0	U= 4.413 / 7.5	V= 4.834 / 10.5	W= .018990 / 3.1	T= 2.318 / .3
LAT= 54.0	U= 4.014 / 7.6	V= 4.323 / 10.6	W= .013133 / 3.5	T= 1.665 / .6
LAT= 60.0	U= 3.504 / 7.7	V= 3.691 / 10.7	W= .008400 / 3.8	T= 1.106 / .9
LAT= 66.0	U= 2.930 / 7.9	V= 2.985 / 10.8	W= .006024 / 4.3	T= .787 / 1.2
LAT= 72.0	U= 2.282 / 7.9	V= 2.233 / 11.0	W= .003272 / 4.2	T= .416 / 1.1
LAT= 78.0	U= 1.508 / 7.9	V= 1.453 / 11.1	W= .000987 / 3.6	T= .126 / .9
LAT= 84.0	U= .723 / 8.1	V= .694 / 11.6	W= .000242 / 1.3	T= .014 / 10.5

Z = 158.420 KM

LAT= 0.0	U= 4.603 / 7.0	V= 0.000 / 5.3	W= .081824 / 1.5	T= 7.665 / 10.7
LAT= 6.0	U= 4.615 / 7.0	V= 1.369 / 9.3	W= .080174 / 1.5	T= 7.535 / 10.7
LAT= 12.0	U= 4.692 / 7.0	V= 2.630 / 9.4	W= .075580 / 1.6	T= 7.178 / 10.8
LAT= 18.0	U= 4.789 / 7.0	V= 3.691 / 9.4	W= .068396 / 1.7	T= 6.610 / 10.9
LAT= 24.0	U= 4.872 / 6.9	V= 4.483 / 9.5	W= .059327 / 1.9	T= 5.868 / 11.0
LAT= 30.0	U= 4.906 / 6.9	V= 4.973 / 9.6	W= .049269 / 2.0	T= 5.017 / 11.2
LAT= 36.0	U= 4.846 / 6.9	V= 5.164 / 9.7	W= .039181 / 2.2	T= 4.126 / 11.4
LAT= 42.0	U= 4.666 / 7.0	V= 5.135 / 9.8	W= .029799 / 2.5	T= 3.251 / 11.7
LAT= 48.0	U= 4.378 / 7.0	V= 4.784 / 9.9	W= .021653 / 2.8	T= 2.450 / 11.9
LAT= 54.0	U= 4.000 / 7.1	V= 4.306 / 10.1	W= .015283 / 3.2	T= 1.791 / .2
LAT= 60.0	U= 3.510 / 7.2	V= 3.699 / 10.2	W= .009968 / 3.4	T= 1.210 / .5
LAT= 66.0	U= 2.956 / 7.3	V= 3.007 / 10.3	W= .007165 / 3.9	T= .857 / .7
LAT= 72.0	U= 2.306 / 7.4	V= 2.258 / 10.5	W= .003799 / 3.7	T= .449 / .6
LAT= 78.0	U= 1.525 / 7.4	V= 1.478 / 10.6	W= .001129 / 3.4	T= .142 / .5
LAT= 84.0	U= .738 / 7.6	V= .725 / 11.2	W= .000185 / 1.1	T= .013 / 11.1

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1400$ K										
Z = 181.310 KM										
LAT= 0.0	U=	4.594 / 5.9	V=	0.000 / 4.1	W=	.091830 / .6	T=	6.853 / 9.9		
LAT= 6.0	U=	4.594 / 5.9	V=	1.216 / 8.2	W=	.090143 / .6	T=	6.755 / 9.9		
LAT= 12.0	U=	4.646 / 5.9	V=	2.348 / 8.3	W=	.085429 / .7	T=	6.484 / 10.0		
LAT= 18.0	U=	4.711 / 5.9	V=	3.321 / 8.4	W=	.078018 / .9	T=	6.050 / 10.1		
LAT= 24.0	U=	4.755 / 5.9	V=	4.075 / 8.4	W=	.068571 / 1.0	T=	5.473 / 10.3		
LAT= 30.0	U=	4.763 / 5.9	V=	4.578 / 8.5	W=	.057972 / 1.3	T=	4.793 / 10.5		
LAT= 36.0	U=	4.698 / 5.9	V=	4.819 / 8.7	W=	.047257 / 1.5	T=	4.065 / 10.7		
LAT= 42.0	U=	4.528 / 6.0	V=	4.815 / 8.8	W=	.037127 / 1.8	T=	3.316 / 11.0		
LAT= 48.0	U=	4.265 / 6.0	V=	4.598 / 8.9	W=	.028004 / 2.1	T=	2.581 / 11.2		
LAT= 54.0	U=	3.934 / 6.1	V=	4.202 / 9.0	W=	.020536 / 2.4	T=	1.938 / 11.4		
LAT= 60.0	U=	3.491 / 6.2	V=	3.659 / 9.2	W=	.013901 / 2.7	T=	1.344 / 11.6		
LAT= 66.0	U=	2.982 / 6.3	V=	3.008 / 9.3	W=	.010081 / 2.9	T=	.946 / 11.8		
LAT= 72.0	U=	2.319 / 6.3	V=	2.277 / 9.4	W=	.005139 / 2.8	T=	.491 / 11.7		
LAT= 78.0	U=	1.534 / 6.4	V=	1.508 / 9.7	W=	.001445 / 2.8	T=	.170 / 11.7		
LAT= 84.0	U=	.750 / 6.7	V=	.773 / 10.2	W=	.000028 / 7.6	T=	.023 / .1		
Z = 209.865 KM										
LAT= 0.0	U=	4.483 / 5.0	V=	0.000 / 4.0	W=	.096521 / 11.8	T=	5.923 / 9.4		
LAT= 6.0	U=	4.478 / 5.0	V=	1.046 / 7.4	W=	.094818 / 11.8	T=	5.857 / 9.5		
LAT= 12.0	U=	4.509 / 5.0	V=	2.032 / 7.4	W=	.090100 / 11.9	T=	5.666 / 9.6		
LAT= 18.0	U=	4.552 / 5.0	V=	2.900 / 7.5	W=	.082724 / .1	T=	5.358 / 9.7		
LAT= 24.0	U=	4.573 / 5.0	V=	3.601 / 7.6	W=	.073401 / .3	T=	4.934 / 9.9		
LAT= 30.0	U=	4.565 / 5.0	V=	4.100 / 7.7	W=	.062950 / .5	T=	4.411 / 10.1		
LAT= 36.0	U=	4.506 / 5.1	V=	4.380 / 7.8	W=	.052415 / .8	T=	3.837 / 10.3		
LAT= 42.0	U=	4.352 / 5.1	V=	4.444 / 7.9	W=	.042398 / 1.0	T=	3.220 / 10.5		
LAT= 48.0	U=	4.102 / 5.2	V=	4.312 / 8.1	W=	.033131 / 1.3	T=	2.573 / 10.7		
LAT= 54.0	U=	3.805 / 5.3	V=	4.009 / 8.2	W=	.025224 / 1.6	T=	1.972 / 10.9		
LAT= 60.0	U=	3.408 / 5.4	V=	3.550 / 8.3	W=	.017777 / 1.9	T=	1.396 / 11.0		
LAT= 66.0	U=	2.956 / 5.4	V=	2.961 / 8.4	W=	.013232 / 2.0	T=	.987 / 11.1		
LAT= 72.0	U=	2.297 / 5.4	V=	2.266 / 8.6	W=	.006847 / 1.9	T=	.517 / 11.0		
LAT= 78.0	U=	1.522 / 5.5	V=	1.518 / 8.8	W=	.002109 / 2.0	T=	.189 / 11.0		
LAT= 84.0	U=	.754 / 5.8	V=	.802 / 9.4	W=	.000095 / 5.3	T=	.032 / 11.7		
Z = 240.988 KM										
LAT= 0.0	U=	3.971 / 4.3	V=	0.000 / 4.0	W=	.098198 / 11.0	T=	5.238 / 9.2		
LAT= 6.0	U=	3.968 / 4.3	V=	.882 / 6.7	W=	.096235 / 11.0	T=	5.197 / 9.3		
LAT= 12.0	U=	3.986 / 4.3	V=	1.721 / 6.7	W=	.091033 / 11.1	T=	5.070 / 9.4		
LAT= 18.0	U=	4.027 / 4.3	V=	2.471 / 6.8	W=	.083263 / 11.3	T=	4.855 / 9.5		
LAT= 24.0	U=	4.059 / 4.3	V=	3.051 / 6.9	W=	.073987 / 11.5	T=	4.537 / 9.7		
LAT= 30.0	U=	4.074 / 4.4	V=	3.551 / 7.0	W=	.063995 / 11.7	T=	4.120 / 9.9		
LAT= 36.0	U=	4.062 / 4.4	V=	3.831 / 7.2	W=	.054061 / 0.0	T=	3.648 / 10.1		
LAT= 42.0	U=	3.961 / 4.5	V=	3.929 / 7.3	W=	.044595 / .3	T=	3.124 / 10.3		
LAT= 48.0	U=	3.749 / 4.6	V=	3.863 / 7.4	W=	.035761 / .7	T=	2.542 / 10.4		
LAT= 54.0	U=	3.496 / 4.7	V=	3.652 / 7.6	W=	.028052 / 1.0	T=	1.975 / 10.6		
LAT= 60.0	U=	3.172 / 4.7	V=	3.296 / 7.7	W=	.020392 / 1.2	T=	1.417 / 10.7		
LAT= 66.0	U=	2.806 / 4.8	V=	2.800 / 7.8	W=	.015528 / 1.3	T=	1.009 / 10.7		
LAT= 72.0	U=	2.197 / 4.8	V=	2.179 / 8.0	W=	.008262 / 1.3	T=	.536 / 10.6		
LAT= 78.0	U=	1.469 / 4.9	V=	1.488 / 8.2	W=	.003012 / 1.5	T=	.207 / 10.6		
LAT= 84.0	U=	.739 / 5.2	V=	.811 / 8.7	W=	.000361 / 2.6	T=	.041 / 11.1		
Z = 272.801 KM										
LAT= 0.0	U=	3.323 / 3.7	V=	0.000 / 4.0	W=	.102742 / 10.3	T=	4.850 / 9.1		
LAT= 6.0	U=	3.323 / 3.7	V=	.754 / 6.1	W=	.100362 / 10.3	T=	4.825 / 9.2		
LAT= 12.0	U=	3.337 / 3.7	V=	1.472 / 6.2	W=	.094349 / 10.4	T=	4.740 / 9.3		
LAT= 18.0	U=	3.386 / 3.8	V=	2.118 / 6.3	W=	.085782 / 10.6	T=	4.581 / 9.5		
LAT= 24.0	U=	3.456 / 3.8	V=	2.659 / 6.4	W=	.076124 / 10.8	T=	4.324 / 9.6		
LAT= 30.0	U=	3.528 / 3.9	V=	3.074 / 6.5	W=	.066194 / 11.1	T=	3.965 / 9.8		
LAT= 36.0	U=	3.596 / 3.9	V=	3.343 / 6.7	W=	.056287 / 11.4	T=	3.549 / 10.0		
LAT= 42.0	U=	3.568 / 4.0	V=	3.461 / 6.8	W=	.046622 / 11.8	T=	3.079 / 10.1		
LAT= 48.0	U=	3.400 / 4.1	V=	3.443 / 7.0	W=	.037620 / .1	T=	2.533 / 10.3		
LAT= 54.0	U=	3.188 / 4.2	V=	3.305 / 7.1	W=	.029815 / .4	T=	1.986 / 10.4		
LAT= 60.0	U=	2.925 / 4.3	V=	3.035 / 7.3	W=	.021854 / .7	T=	1.435 / 10.5		
LAT= 66.0	U=	2.632 / 4.3	V=	2.623 / 7.4	W=	.016690 / .8	T=	1.026 / 10.5		
LAT= 72.0	U=	2.082 / 4.4	V=	2.074 / 7.5	W=	.008881 / .8	T=	.551 / 10.4		
LAT= 78.0	U=	1.410 / 4.4	V=	1.442 / 7.7	W=	.003592 / 1.2	T=	.222 / 10.3		
LAT= 84.0	U=	.720 / 4.7	V=	.810 / 8.2	W=	.000806 / 2.2	T=	.048 / 10.7		

Table B1. Amplitude and Phase for the (2, 2) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 1000 K

Z = 304.762 KM

LAT= 0.0	U= 2.870 / 3.3	V= 0.000 / 4.0	W= .110328 / 9.8	T= 4.663 / 9.1
LAT= 6.0	U= 2.873 / 3.3	V= .674 / 5.7	W= .107594 / 9.8	T= 4.649 / 9.1
LAT= 12.0	U= 2.887 / 3.3	V= 1.312 / 5.8	W= .100848 / 9.9	T= 4.587 / 9.3
LAT= 18.0	U= 2.946 / 3.4	V= 1.889 / 5.9	W= .091415 / 10.1	T= 4.459 / 9.4
LAT= 24.0	U= 3.052 / 3.4	V= 2.381 / 6.0	W= .080964 / 10.3	T= 4.235 / 9.6
LAT= 30.0	U= 3.180 / 3.5	V= 2.773 / 6.2	W= .070437 / 10.6	T= 3.905 / 9.7
LAT= 36.0	U= 3.318 / 3.6	V= 3.044 / 6.3	W= .059774 / 10.9	T= 3.518 / 9.9
LAT= 42.0	U= 3.352 / 3.6	V= 3.180 / 6.5	W= .049104 / 11.3	T= 3.073 / 10.0
LAT= 48.0	U= 3.216 / 3.7	V= 3.196 / 6.7	W= .039274 / 11.7	T= 2.546 / 10.2
LAT= 54.0	U= 3.022 / 3.9	V= 3.104 / 6.8	W= .030991 / 0.0	T= 2.005 / 10.3
LAT= 60.0	U= 2.788 / 4.0	V= 2.888 / 6.9	W= .022557 / .3	T= 1.456 / 10.4
LAT= 66.0	U= 2.537 / 4.0	V= 2.526 / 7.1	W= .017043 / .4	T= 1.043 / 10.3
LAT= 72.0	U= 2.017 / 4.0	V= 2.016 / 7.2	W= .008854 / .5	T= .564 / 10.2
LAT= 78.0	U= 1.380 / 4.1	V= 1.417 / 7.4	W= .003687 / 1.0	T= .233 / 10.2
LAT= 84.0	U= .712 / 4.4	V= .813 / 7.9	W= .001151 / 2.2	T= .054 / 10.5

Z = 336.754 KM

LAT= 0.0	U= 2.660 / 3.0	V= 0.000 / 4.0	W= .118750 / 9.5	T= 4.603 / 9.1
LAT= 6.0	U= 2.664 / 3.0	V= .630 / 5.4	W= .115783 / 9.5	T= 4.594 / 9.1
LAT= 12.0	U= 2.680 / 3.0	V= 1.228 / 5.5	W= .108511 / 9.6	T= 4.545 / 9.2
LAT= 18.0	U= 2.747 / 3.0	V= 1.771 / 5.6	W= .098303 / 9.7	T= 4.433 / 9.4
LAT= 24.0	U= 2.878 / 3.1	V= 2.243 / 5.8	W= .086843 / 10.0	T= 4.225 / 9.6
LAT= 30.0	U= 3.043 / 3.2	V= 2.631 / 5.9	W= .075260 / 10.3	T= 3.907 / 9.7
LAT= 36.0	U= 3.228 / 3.3	V= 2.913 / 6.1	W= .063361 / 10.6	T= 3.532 / 9.9
LAT= 42.0	U= 3.301 / 3.4	V= 3.068 / 6.3	W= .051301 / 10.9	T= 3.098 / 10.0
LAT= 48.0	U= 3.180 / 3.5	V= 3.106 / 6.4	W= .040367 / 11.3	T= 2.576 / 10.1
LAT= 54.0	U= 2.988 / 3.6	V= 3.040 / 6.6	W= .031474 / 11.7	T= 2.034 / 10.2
LAT= 60.0	U= 2.761 / 3.7	V= 2.851 / 6.7	W= .022594 / 11.9	T= 1.480 / 10.3
LAT= 66.0	U= 2.525 / 3.8	V= 2.509 / 6.8	W= .016806 / .1	T= 1.061 / 10.3
LAT= 72.0	U= 2.009 / 3.8	V= 2.010 / 7.0	W= .008432 / .1	T= .575 / 10.2
LAT= 78.0	U= 1.380 / 3.9	V= 1.419 / 7.2	W= .003416 / .8	T= .241 / 10.1
LAT= 84.0	U= .715 / 4.2	V= .821 / 7.7	W= .001339 / 2.3	T= .059 / 10.3

Z = 368.753 KM

LAT= 0.0	U= 2.607 / 2.7	V= 0.000 / 4.0	W= .126611 / 9.2	T= 4.620 / 9.1
LAT= 6.0	U= 2.612 / 2.8	V= .611 / 5.2	W= .123509 / 9.2	T= 4.613 / 9.1
LAT= 12.0	U= 2.630 / 2.8	V= 1.193 / 5.3	W= .115899 / 9.3	T= 4.569 / 9.2
LAT= 18.0	U= 2.701 / 2.9	V= 1.725 / 5.4	W= .105058 / 9.5	T= 4.464 / 9.4
LAT= 24.0	U= 2.846 / 2.9	V= 2.194 / 5.6	W= .092547 / 9.7	T= 4.262 / 9.5
LAT= 30.0	U= 3.034 / 3.1	V= 2.590 / 5.8	W= .079702 / 10.0	T= 3.947 / 9.7
LAT= 36.0	U= 3.248 / 3.2	V= 2.865 / 6.0	W= .066362 / 10.3	T= 3.575 / 9.8
LAT= 42.0	U= 3.341 / 3.3	V= 3.056 / 6.1	W= .052795 / 10.6	T= 3.141 / 10.0
LAT= 48.0	U= 3.225 / 3.4	V= 3.108 / 6.3	W= .040681 / 11.0	T= 2.618 / 10.1
LAT= 54.0	U= 3.028 / 3.5	V= 3.056 / 6.5	W= .031170 / 11.4	T= 2.069 / 10.2
LAT= 60.0	U= 2.797 / 3.6	V= 2.879 / 6.6	W= .021991 / 11.6	T= 1.508 / 10.3
LAT= 66.0	U= 2.561 / 3.7	V= 2.542 / 6.7	W= .016083 / 11.8	T= 1.082 / 10.2
LAT= 72.0	U= 2.035 / 3.7	V= 2.038 / 6.8	W= .007782 / 11.8	T= .587 / 10.1
LAT= 78.0	U= 1.393 / 3.8	V= 1.440 / 7.1	W= .002932 / .6	T= .249 / 10.1
LAT= 84.0	U= .727 / 4.1	V= .834 / 7.6	W= .001399 / 2.4	T= .062 / 10.3

Z = 400.753 KM

LAT= 0.0	U= 2.628 / 2.6	V= 0.000 / 4.0	W= .133474 / 9.0	T= 4.677 / 9.1
LAT= 6.0	U= 2.634 / 2.6	V= .606 / 5.1	W= .130317 / 9.0	T= 4.672 / 9.1
LAT= 12.0	U= 2.654 / 2.7	V= 1.186 / 5.2	W= .122534 / 9.1	T= 4.631 / 9.2
LAT= 18.0	U= 2.729 / 2.7	V= 1.720 / 5.3	W= .111229 / 9.2	T= 4.528 / 9.4
LAT= 24.0	U= 2.883 / 2.8	V= 2.196 / 5.5	W= .097755 / 9.4	T= 4.325 / 9.5
LAT= 30.0	U= 3.083 / 3.0	V= 2.603 / 5.7	W= .083624 / 9.7	T= 4.009 / 9.7
LAT= 36.0	U= 3.311 / 3.1	V= 2.911 / 5.9	W= .068810 / 10.0	T= 3.634 / 9.8
LAT= 42.0	U= 3.416 / 3.2	V= 3.092 / 6.1	W= .053737 / 10.3	T= 3.196 / 10.0
LAT= 48.0	U= 3.299 / 3.3	V= 3.153 / 6.2	W= .040417 / 10.7	T= 2.668 / 10.1
LAT= 54.0	U= 3.095 / 3.4	V= 3.106 / 6.4	W= .030260 / 11.0	T= 2.109 / 10.2
LAT= 60.0	U= 2.856 / 3.5	V= 2.934 / 6.5	W= .020907 / 11.3	T= 1.537 / 10.3
LAT= 66.0	U= 2.615 / 3.6	V= 2.593 / 6.7	W= .015009 / 11.5	T= 1.102 / 10.2
LAT= 72.0	U= 2.076 / 3.6	V= 2.079 / 6.8	W= .007024 / 11.5	T= .599 / 10.1
LAT= 78.0	U= 1.426 / 3.7	V= 1.468 / 7.0	W= .002342 / .5	T= .254 / 10.1
LAT= 84.0	U= .741 / 4.0	V= .850 / 7.5	W= .001375 / 2.6	T= .064 / 10.3

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200, \text{ and } 1400 \text{ K}$

T₀ = 600 K

Z = 100.017 KM

LAT= 0.0	U= 0.000 / .4	V= 2.467 / 10.0	W= .000002 / 7.7	T= 0.000 / 4.9
LAT= 6.0	U= .249 / 1.0	V= 2.177 / 10.0	W= .003713 / 7.8	T= .405 / 5.7
LAT= 12.0	U= .577 / 1.0	V= 1.385 / 10.0	W= .006665 / 7.8	T= .736 / 5.8
LAT= 18.0	U= 1.015 / 1.0	V= .295 / 10.5	W= .008365 / 8.0	T= .939 / 5.8
LAT= 24.0	U= 1.528 / 1.0	V= .870 / 3.9	W= .008725 / 8.2	T= 1.000 / 6.0
LAT= 30.0	U= 2.028 / 1.1	V= 1.851 / 4.0	W= .008006 / 8.4	T= .938 / 6.1
LAT= 36.0	U= 2.418 / 1.1	V= 2.524 / 4.1	W= .006639 / 8.7	T= .786 / 6.3
LAT= 42.0	U= 2.629 / 1.1	V= 2.846 / 4.1	W= .005038 / 9.1	T= .596 / 6.5
LAT= 48.0	U= 2.637 / 1.2	V= 2.852 / 4.2	W= .003513 / 9.5	T= .409 / 6.7
LAT= 54.0	U= 2.462 / 1.2	V= 2.623 / 4.2	W= .002246 / 9.9	T= .251 / 7.0
LAT= 60.0	U= 2.155 / 1.2	V= 2.249 / 4.2	W= .001318 / 10.5	T= .137 / 7.3
LAT= 66.0	U= 1.751 / 1.2	V= 1.807 / 4.1	W= .000718 / 11.2	T= .063 / 7.9
LAT= 72.0	U= 1.336 / 1.1	V= 1.343 / 4.1	W= .000412 / 11.8	T= .032 / 8.3
LAT= 78.0	U= .877 / 1.1	V= .877 / 4.1	W= .000254 / .2	T= .015 / 9.0
LAT= 84.0	U= .436 / 1.1	V= .426 / 4.1	W= .000060 / 10.8	T= .004 / 7.6

Z = 103.521 KM

LAT= 0.0	U= 0.000 / .3	V= 3.212 / 9.6	W= .000002 / 7.4	T= 0.000 / 4.7
LAT= 6.0	U= .343 / .7	V= 2.873 / 9.6	W= .004627 / 7.0	T= .509 / 5.1
LAT= 12.0	U= .773 / .7	V= 1.931 / 9.7	W= .008344 / 7.1	T= .931 / 5.1
LAT= 18.0	U= 1.336 / .7	V= .606 / 10.4	W= .010532 / 7.2	T= 1.204 / 5.2
LAT= 24.0	U= 2.015 / .7	V= 1.000 / 3.2	W= .011030 / 7.4	T= 1.301 / 5.4
LAT= 30.0	U= 2.730 / .7	V= 2.392 / 3.5	W= .010108 / 7.6	T= 1.239 / 5.5
LAT= 36.0	U= 3.366 / .8	V= 3.483 / 3.7	W= .008295 / 8.0	T= 1.058 / 5.8
LAT= 42.0	U= 3.806 / .9	V= 4.141 / 3.8	W= .006170 / 8.4	T= .816 / 6.0
LAT= 48.0	U= 3.974 / .9	V= 4.340 / 3.9	W= .004196 / 8.9	T= .568 / 6.3
LAT= 54.0	U= 3.845 / 1.0	V= 4.136 / 4.0	W= .002658 / 9.5	T= .357 / 6.7
LAT= 60.0	U= 3.459 / 1.0	V= 3.634 / 4.0	W= .001622 / 10.2	T= .204 / 7.2
LAT= 66.0	U= 2.864 / 1.1	V= 2.957 / 4.1	W= .000999 / 11.2	T= .106 / 8.0
LAT= 72.0	U= 2.197 / 1.1	V= 2.202 / 4.1	W= .000641 / 11.8	T= .060 / 8.5
LAT= 78.0	U= 1.436 / 1.1	V= 1.433 / 4.1	W= .000464 / 11.9	T= .039 / 8.9
LAT= 84.0	U= .714 / 1.1	V= .693 / 4.1	W= .000102 / 10.7	T= .009 / 7.7

Z = 107.177 KM

LAT= 0.0	U= 0.000 / 11.8	V= 4.409 / 9.1	W= .000003 / 6.9	T= 0.000 / 4.2
LAT= 6.0	U= .499 / .2	V= 3.963 / 9.1	W= .006069 / 6.1	T= .687 / 4.1
LAT= 12.0	U= 1.013 / .1	V= 2.721 / 9.2	W= .010981 / 6.1	T= 1.259 / 4.2
LAT= 18.0	U= 1.842 / .1	V= .985 / 10.0	W= .013916 / 6.2	T= 1.629 / 4.3
LAT= 24.0	U= 2.749 / .1	V= 1.318 / 2.3	W= .014587 / 6.4	T= 1.758 / 4.4
LAT= 30.0	U= 3.710 / .1	V= 3.207 / 2.8	W= .013275 / 6.6	T= 1.664 / 4.6
LAT= 36.0	U= 4.578 / .2	V= 4.737 / 3.0	W= .010656 / 6.8	T= 1.405 / 4.8
LAT= 42.0	U= 5.197 / .2	V= 5.589 / 3.1	W= .007569 / 7.2	T= 1.067 / 5.1
LAT= 48.0	U= 5.455 / .3	V= 6.057 / 3.2	W= .004757 / 7.7	T= .733 / 5.5
LAT= 54.0	U= 5.309 / .4	V= 5.758 / 3.3	W= .002713 / 8.4	T= .459 / 6.0
LAT= 60.0	U= 4.802 / .4	V= 5.082 / 3.4	W= .001580 / 9.5	T= .273 / 6.7
LAT= 66.0	U= 3.991 / .5	V= 4.148 / 3.5	W= .001071 / 10.7	T= .158 / 7.6
LAT= 72.0	U= 3.067 / .6	V= 3.093 / 3.6	W= .000768 / 11.4	T= .099 / 8.2
LAT= 78.0	U= 2.037 / .6	V= 2.011 / 3.6	W= .000583 / 11.2	T= .069 / 8.2
LAT= 84.0	U= 1.006 / .6	V= .956 / 3.6	W= .000135 / 10.1	T= .016 / 7.1

Z = 111.019 KM

LAT= 0.0	U= .003 / 10.9	V= 5.405 / 8.3	W= .000005 / 6.1	T= 0.000 / 3.3
LAT= 6.0	U= .634 / 11.4	V= 4.846 / 8.3	W= .007997 / 5.1	T= .933 / 2.9
LAT= 12.0	U= 1.358 / 11.4	V= 3.443 / 8.5	W= .014498 / 5.1	T= 1.701 / 2.9
LAT= 18.0	U= 2.228 / 11.3	V= 1.569 / 9.3	W= .018396 / 5.2	T= 2.185 / 3.0
LAT= 24.0	U= 3.230 / 11.3	V= 1.527 / .8	W= .019330 / 5.3	T= 2.336 / 3.2
LAT= 30.0	U= 4.275 / 11.3	V= 3.650 / 1.7	W= .017621 / 5.5	T= 2.182 / 3.4
LAT= 36.0	U= 5.220 / 11.3	V= 5.372 / 2.0	W= .014138 / 5.6	T= 1.814 / 3.6
LAT= 42.0	U= 5.904 / 11.3	V= 6.446 / 2.2	W= .009968 / 5.9	T= 1.353 / 3.9
LAT= 48.0	U= 6.200 / 11.4	V= 6.864 / 2.3	W= .006092 / 6.3	T= .910 / 4.4
LAT= 54.0	U= 6.051 / 11.5	V= 6.635 / 2.5	W= .003172 / 6.8	T= .565 / 5.0
LAT= 60.0	U= 5.503 / 11.6	V= 5.419 / 2.6	W= .001511 / 7.8	T= .344 / 5.7
LAT= 66.0	U= 4.589 / 11.7	V= 4.819 / 2.7	W= .000907 / 9.5	T= .210 / 6.7
LAT= 72.0	U= 3.552 / 11.8	V= 3.606 / 2.8	W= .000698 / 10.4	T= .139 / 7.3
LAT= 78.0	U= 2.411 / 11.9	V= 2.342 / 2.9	W= .000552 / 9.9	T= .090 / 6.9
LAT= 84.0	U= 1.176 / 11.9	V= 1.085 / 2.9	W= .000127 / 8.9	T= .021 / 5.9

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 600 K

Z = 115.091 KM

LAT= 0.0	U= .004 / 9.8	V= 5.913 / 7.5	W= .000005 / 5.1	T= 0.000 / 2.3
LAT= 6.0	U= .716 / 10.5	V= 5.409 / 7.5	W= .010065 / 4.1	T= 1.193 / 1.6
LAT= 12.0	U= 1.487 / 10.5	V= 4.020 / 7.8	W= .018296 / 4.2	T= 2.171 / 1.7
LAT= 18.0	U= 2.348 / 10.4	V= 2.191 / 8.6	W= .023374 / 4.3	T= 2.780 / 1.8
LAT= 24.0	U= 3.288 / 10.4	V= 1.726 / 11.2	W= .024805 / 4.3	T= 2.951 / 1.9
LAT= 30.0	U= 4.245 / 10.3	V= 3.483 / .5	W= .022963 / 4.5	T= 2.760 / 2.1
LAT= 36.0	U= 5.105 / 10.4	V= 5.203 / .9	W= .018863 / 4.6	T= 2.294 / 2.4
LAT= 42.0	U= 5.732 / 10.4	V= 6.330 / 1.1	W= .013792 / 4.8	T= 1.716 / 2.7
LAT= 48.0	U= 6.013 / 10.5	V= 6.753 / 1.4	W= .008916 / 5.1	T= 1.162 / 3.1
LAT= 54.0	U= 5.887 / 10.6	V= 6.533 / 1.5	W= .005019 / 5.4	T= .725 / 3.6
LAT= 60.0	U= 5.392 / 10.7	V= 5.819 / 1.7	W= .002478 / 6.0	T= .437 / 4.3
LAT= 66.0	U= 4.519 / 10.9	V= 4.798 / 1.9	W= .001087 / 7.1	T= .258 / 5.2
LAT= 72.0	U= 3.541 / 11.0	V= 3.611 / 2.0	W= .000638 / 8.2	T= .164 / 5.7
LAT= 78.0	U= 2.453 / 11.1	V= 2.347 / 2.1	W= .000540 / 7.9	T= .099 / 5.3
LAT= 84.0	U= 1.184 / 11.1	V= 1.063 / 2.2	W= .000143 / 6.6	T= .023 / 4.1

Z = 119.451 KM

LAT= 0.0	U= .004 / 8.9	V= 6.034 / 6.7	W= .000005 / 4.1	T= 0.000 / 1.6
LAT= 6.0	U= .738 / 9.7	V= 5.566 / 6.7	W= .012097 / 3.4	T= 1.383 / .6
LAT= 12.0	U= 1.499 / 9.6	V= 4.288 / 7.0	W= .022100 / 3.4	T= 2.522 / .7
LAT= 18.0	U= 2.298 / 9.5	V= 2.634 / 7.7	W= .028485 / 3.5	T= 3.242 / .8
LAT= 24.0	U= 3.126 / 9.5	V= 1.942 / 9.8	W= .030646 / 3.6	T= 3.479 / .9
LAT= 30.0	U= 3.942 / 9.5	V= 3.215 / 11.3	W= .028945 / 3.7	T= 3.282 / 1.1
LAT= 36.0	U= 4.669 / 9.5	V= 4.725 / 11.8	W= .024487 / 3.8	T= 2.783 / 1.4
LAT= 42.0	U= 5.202 / 9.5	V= 5.755 / .2	W= .018707 / 4.0	T= 2.146 / 1.6
LAT= 48.0	U= 5.448 / 9.6	V= 6.163 / .4	W= .012925 / 4.3	T= 1.517 / 2.0
LAT= 54.0	U= 5.347 / 9.8	V= 5.990 / .7	W= .008056 / 4.6	T= .993 / 2.4
LAT= 60.0	U= 4.929 / 9.9	V= 5.362 / .9	W= .004601 / 5.0	T= .621 / 3.0
LAT= 66.0	U= 4.155 / 10.1	V= 4.444 / 1.1	W= .002309 / 5.6	T= .361 / 3.6
LAT= 72.0	U= 3.298 / 10.2	V= 3.361 / 1.2	W= .001290 / 6.2	T= .219 / 4.0
LAT= 78.0	U= 2.321 / 10.3	V= 2.190 / 1.3	W= .000859 / 6.1	T= .119 / 3.6
LAT= 84.0	U= 1.109 / 10.4	V= .976 / 1.5	W= .000259 / 5.0	T= .028 / 2.3

Z = 124.175 KM

LAT= 0.0	U= .004 / 8.2	V= 5.943 / 5.9	W= .000005 / 3.0	T= 0.000 / 1.0
LAT= 6.0	U= .730 / 8.9	V= 5.515 / 6.0	W= .014071 / 2.7	T= 1.461 / 11.9
LAT= 12.0	U= 1.459 / 8.8	V= 4.352 / 6.3	W= .025845 / 2.7	T= 2.675 / 11.9
LAT= 18.0	U= 2.193 / 8.7	V= 2.862 / 7.0	W= .033622 / 2.8	T= 3.468 / 12.0
LAT= 24.0	U= 2.924 / 8.7	V= 2.103 / 8.6	W= .036670 / 2.9	T= 3.770 / .2
LAT= 30.0	U= 3.630 / 8.6	V= 2.999 / 10.2	W= .035302 / 3.1	T= 3.624 / .4
LAT= 36.0	U= 4.254 / 8.6	V= 4.285 / 10.9	W= .030668 / 3.2	T= 3.158 / .6
LAT= 42.0	U= 4.716 / 8.7	V= 5.205 / 11.3	W= .024310 / 3.4	T= 2.530 / .9
LAT= 48.0	U= 4.930 / 8.8	V= 5.584 / 11.6	W= .017692 / 3.7	T= 1.891 / 1.2
LAT= 54.0	U= 4.848 / 8.9	V= 5.447 / 11.8	W= .011859 / 4.0	T= 1.306 / 1.6
LAT= 60.0	U= 4.494 / 9.1	V= 4.897 / .1	W= .007449 / 4.4	T= .864 / 2.0
LAT= 66.0	U= 3.807 / 9.3	V= 4.074 / .3	W= .004198 / 4.9	T= .524 / 2.5
LAT= 72.0	U= 3.050 / 9.5	V= 3.094 / .4	W= .002498 / 5.3	T= .316 / 2.8
LAT= 78.0	U= 2.162 / 9.6	V= 2.023 / .6	W= .001417 / 5.0	T= .154 / 2.4
LAT= 84.0	U= 1.027 / 9.6	V= .899 / .8	W= .000391 / 4.0	T= .031 / 1.2

Z = 129.367 KM

LAT= 0.0	U= .003 / 7.7	V= 5.786 / 5.2	W= .000005 / 1.8	T= 0.000 / .7
LAT= 6.0	U= .703 / 8.2	V= 5.391 / 5.3	W= .015954 / 2.1	T= 1.448 / 11.3
LAT= 12.0	U= 1.396 / 8.1	V= 4.318 / 5.5	W= .029447 / 2.2	T= 2.668 / 11.3
LAT= 18.0	U= 2.082 / 8.0	V= 2.949 / 6.2	W= .038630 / 2.2	T= 3.493 / 11.5
LAT= 24.0	U= 2.760 / 7.9	V= 2.174 / 7.7	W= .042647 / 2.4	T= 3.855 / 11.6
LAT= 30.0	U= 3.407 / 7.8	V= 2.828 / 9.2	W= .041735 / 2.5	T= 3.782 / 11.8
LAT= 36.0	U= 3.978 / 7.8	V= 3.914 / 10.0	W= .037063 / 2.7	T= 3.387 / .1
LAT= 42.0	U= 4.401 / 7.9	V= 4.778 / 10.4	W= .030253 / 3.0	T= 2.812 / .3
LAT= 48.0	U= 4.600 / 8.0	V= 5.141 / 10.8	W= .022884 / 3.3	T= 2.182 / .7
LAT= 54.0	U= 4.529 / 8.1	V= 5.042 / 11.0	W= .016129 / 3.6	T= 1.591 / 1.0
LAT= 60.0	U= 4.218 / 8.3	V= 4.562 / 11.3	W= .010760 / 4.0	T= 1.104 / 1.4
LAT= 66.0	U= 3.593 / 8.5	V= 3.819 / 11.5	W= .006509 / 4.5	T= .697 / 1.8
LAT= 72.0	U= 2.897 / 8.7	V= 2.918 / 11.7	W= .004006 / 4.7	T= .423 / 2.0
LAT= 78.0	U= 2.054 / 8.8	V= 1.919 / 11.9	W= .002047 / 4.4	T= .191 / 1.6
LAT= 84.0	U= .974 / 8.8	V= .864 / .1	W= .000466 / 3.2	T= .030 / .8

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 800$ K										
Z = 135.169 KM										
LAT= 0.0	U=	.003 / 7.5	V=	5.652 / 4.5	W=	.000006 / .9	T=	0.000 / .4		
LAT= 6.0	U=	.668 / 7.5	V=	5.281 / 4.6	W=	.017733 / 1.6	T=	1.389 / 10.8		
LAT= 12.0	U=	1.329 / 7.4	V=	4.278 / 4.9	W=	.032848 / 1.6	T=	2.574 / 10.9		
LAT= 18.0	U=	1.998 / 7.2	V=	2.990 / 5.5	W=	.043364 / 1.7	T=	3.407 / 11.0		
LAT= 24.0	U=	2.666 / 7.1	V=	2.193 / 6.9	W=	.048319 / 1.9	T=	3.816 / 11.2		
LAT= 30.0	U=	3.307 / 7.1	V=	2.675 / 8.4	W=	.047895 / 2.1	T=	3.820 / 11.4		
LAT= 36.0	U=	3.870 / 7.1	V=	3.681 / 9.2	W=	.043273 / 2.3	T=	3.509 / 11.6		
LAT= 42.0	U=	4.286 / 7.1	V=	4.476 / 9.7	W=	.036133 / 2.6	T=	3.002 / 11.9		
LAT= 48.0	U=	4.481 / 7.3	V=	4.855 / 10.0	W=	.028137 / 2.9	T=	2.413 / .2		
LAT= 54.0	U=	4.418 / 7.4	V=	4.808 / 10.3	W=	.020557 / 3.3	T=	1.824 / .6		
LAT= 60.0	U=	4.133 / 7.6	V=	4.400 / 10.5	W=	.014280 / 3.7	T=	1.309 / .9		
LAT= 66.0	U=	3.544 / 7.8	V=	3.724 / 10.8	W=	.009045 / 4.1	T=	.852 / 1.3		
LAT= 72.0	U=	2.874 / 7.9	V=	2.875 / 11.0	W=	.005664 / 4.3	T=	.522 / 1.4		
LAT= 78.0	U=	2.030 / 8.0	V=	1.910 / 11.1	W=	.002670 / 3.9	T=	.223 / 1.1		
LAT= 84.0	U=	.966 / 8.1	V=	.881 / 11.5	W=	.000469 / 2.4	T=	.029 / .7		
Z = 141.772 KM										
LAT= 0.0	U=	.002 / 7.3	V=	5.577 / 3.9	W=	.000008 / .3	T=	0.000 / .2		
LAT= 6.0	U=	.633 / 6.8	V=	5.230 / 3.9	W=	.019495 / 1.1	T=	1.314 / 10.4		
LAT= 12.0	U=	1.276 / 6.7	V=	4.284 / 4.2	W=	.036164 / 1.1	T=	2.448 / 10.5		
LAT= 18.0	U=	1.951 / 6.6	V=	3.056 / 4.8	W=	.047890 / 1.3	T=	3.271 / 10.6		
LAT= 24.0	U=	2.644 / 6.5	V=	2.219 / 6.1	W=	.053647 / 1.4	T=	3.716 / 10.8		
LAT= 30.0	U=	3.307 / 6.4	V=	2.548 / 7.6	W=	.053626 / 1.7	T=	3.786 / 11.0		
LAT= 36.0	U=	3.687 / 6.5	V=	3.479 / 8.5	W=	.049058 / 1.9	T=	3.555 / 11.3		
LAT= 42.0	U=	4.311 / 6.5	V=	4.275 / 9.0	W=	.041682 / 2.2	T=	3.121 / 11.6		
LAT= 48.0	U=	4.511 / 6.7	V=	4.698 / 9.3	W=	.033197 / 2.6	T=	2.578 / 11.9		
LAT= 54.0	U=	4.455 / 6.8	V=	4.720 / 9.6	W=	.024928 / 3.0	T=	2.003 / .2		
LAT= 60.0	U=	4.190 / 7.0	V=	4.383 / 9.9	W=	.017830 / 3.4	T=	1.473 / .5		
LAT= 66.0	U=	3.622 / 7.1	V=	3.764 / 10.1	W=	.011656 / 3.8	T=	.981 / .8		
LAT= 72.0	U=	2.961 / 7.3	V=	2.948 / 10.3	W=	.007378 / 4.0	T=	.604 / .9		
LAT= 78.0	U=	2.085 / 7.4	V=	1.985 / 10.5	W=	.003277 / 3.5	T=	.253 / .7		
LAT= 84.0	U=	.996 / 7.5	V=	.946 / 10.9	W=	.000422 / 1.9	T=	.032 / .7		
Z = 149.425 KM										
LAT= 0.0	U=	.002 / 7.1	V=	5.574 / 3.3	W=	.000010 / .0	T=	.001 / 12.0		
LAT= 6.0	U=	.606 / 6.1	V=	5.246 / 3.3	W=	.021353 / .6	T=	1.236 / 10.0		
LAT= 12.0	U=	1.240 / 6.0	V=	4.348 / 3.6	W=	.039576 / .7	T=	2.316 / 10.1		
LAT= 18.0	U=	1.932 / 6.0	V=	3.166 / 4.2	W=	.052389 / .8	T=	3.119 / 10.3		
LAT= 24.0	U=	2.653 / 5.9	V=	2.284 / 5.3	W=	.058767 / 1.0	T=	3.584 / 10.5		
LAT= 30.0	U=	3.342 / 5.9	V=	2.464 / 6.9	W=	.058988 / 1.3	T=	3.708 / 10.7		
LAT= 36.0	U=	3.941 / 5.9	V=	3.327 / 7.8	W=	.054409 / 1.6	T=	3.548 / 11.0		
LAT= 42.0	U=	4.379 / 6.0	V=	4.134 / 8.4	W=	.046834 / 1.9	T=	3.182 / 11.3		
LAT= 48.0	U=	4.587 / 6.2	V=	4.612 / 8.7	W=	.037976 / 2.3	T=	2.686 / 11.6		
LAT= 54.0	U=	4.542 / 6.3	V=	4.706 / 9.1	W=	.029158 / 2.7	T=	2.133 / 11.9		
LAT= 60.0	U=	4.299 / 6.5	V=	4.440 / 9.3	W=	.021337 / 3.1	T=	1.597 / .2		
LAT= 66.0	U=	3.751 / 6.6	V=	3.872 / 9.6	W=	.014273 / 3.5	T=	1.081 / .5		
LAT= 72.0	U=	3.097 / 6.7	V=	3.076 / 9.8	W=	.009095 / 3.7	T=	.671 / .6		
LAT= 78.0	U=	2.180 / 6.8	V=	2.102 / 10.0	W=	.003873 / 3.3	T=	.279 / .4		
LAT= 84.0	U=	1.049 / 6.9	V=	1.035 / 10.4	W=	.000344 / 2.0	T=	.040 / .7		
Z = 158.420 KM										
LAT= 0.0	U=	.002 / 6.9	V=	5.636 / 2.7	W=	.000012 / 11.8	T=	0.000 / 11.8		
LAT= 6.0	U=	.591 / 5.4	V=	5.322 / 2.8	W=	.023279 / .1	T=	1.167 / 9.7		
LAT= 12.0	U=	1.220 / 5.4	V=	4.457 / 3.0	W=	.043041 / .2	T=	2.194 / 9.8		
LAT= 18.0	U=	1.916 / 5.4	V=	3.303 / 3.6	W=	.056826 / .4	T=	2.974 / 10.0		
LAT= 24.0	U=	2.649 / 5.4	V=	2.379 / 4.7	W=	.063653 / .6	T=	3.449 / 10.2		
LAT= 30.0	U=	3.351 / 5.4	V=	2.416 / 6.2	W=	.063971 / .9	T=	3.613 / 10.5		
LAT= 36.0	U=	3.968 / 5.5	V=	3.206 / 7.2	W=	.059301 / 1.2	T=	3.511 / 10.7		
LAT= 42.0	U=	4.427 / 5.6	V=	4.020 / 7.8	W=	.051535 / 1.6	T=	3.205 / 11.0		
LAT= 48.0	U=	4.656 / 5.7	V=	4.549 / 8.2	W=	.042388 / 2.0	T=	2.755 / 11.3		
LAT= 54.0	U=	4.635 / 5.9	V=	4.715 / 8.6	W=	.033154 / 2.4	T=	2.225 / 11.6		
LAT= 60.0	U=	4.422 / 6.0	V=	4.520 / 8.8	W=	.024725 / 2.8	T=	1.690 / 11.9		
LAT= 66.0	U=	3.899 / 6.2	V=	4.001 / 9.1	W=	.016824 / 3.2	T=	1.158 / .2		
LAT= 72.0	U=	3.262 / 6.3	V=	3.222 / 9.3	W=	.010743 / 3.4	T=	.722 / .3		
LAT= 78.0	U=	2.290 / 6.3	V=	2.230 / 9.5	W=	.004416 / 3.1	T=	.301 / .1		
LAT= 84.0	U=	1.111 / 6.5	V=	1.131 / 9.9	W=	.000355 / 3.3	T=	.050 / .5		

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 600$ K									
Z = 191.310 KM									
LAT= 0.0	U= 0.000 / 6.5	V= 5.866 / 1.9	W= .000017 / 11.4	T= 0.000 / 11.5					
LAT= 6.0	U= .599 / 4.2	V= 5.561 / 1.9	W= .026421 / 11.4	T= 1.080 / 9.3					
LAT= 12.0	U= 1.232 / 4.3	V= 4.724 / 2.2	W= .048611 / 11.5	T= 2.039 / 9.5					
LAT= 18.0	U= 1.929 / 4.3	V= 3.585 / 2.7	W= .063806 / 11.7	T= 2.786 / 9.7					
LAT= 24.0	U= 2.675 / 4.5	V= 2.526 / 3.6	W= .071170 / 11.9	T= 3.272 / 9.9					
LAT= 30.0	U= 3.410 / 4.6	V= 2.392 / 5.1	W= .071491 / 12.2	T= 3.487 / 10.2					
LAT= 36.0	U= 4.088 / 4.7	V= 3.045 / 6.3	W= .066556 / 12.5	T= 3.461 / 10.4					
LAT= 42.0	U= 4.618 / 4.8	V= 3.868 / 6.9	W= .058388 / 12.9	T= 3.235 / 10.7					
LAT= 48.0	U= 4.911 / 5.0	V= 4.488 / 7.4	W= .046803 / 13.4	T= 2.851 / 11.0					
LAT= 54.0	U= 4.946 / 5.1	V= 4.786 / 7.8	W= .039119 / 13.8	T= 2.354 / 11.3					
LAT= 60.0	U= 4.779 / 5.3	V= 4.729 / 8.1	W= .029996 / 14.2	T= 1.820 / 11.6					
LAT= 66.0	U= 4.287 / 5.5	V= 4.309 / 8.3	W= .020863 / 14.7	T= 1.264 / 11.8					
LAT= 72.0	U= 3.625 / 5.5	V= 3.551 / 8.5	W= .013197 / 15.2	T= .794 / 11.9					
LAT= 78.0	U= 2.542 / 5.6	V= 2.497 / 8.8	W= .005021 / 15.8	T= .338 / 11.8					
LAT= 84.0	U= 1.251 / 5.8	V= 1.312 / 9.2	W= .001063 / 16.5	T= .073 / 12.2					
Z = 209.865 KM									
LAT= 0.0	U= 0.000 / 6.2	V= 6.084 / 1.3	W= .000020 / 11.2	T= 0.000 / 11.4					
LAT= 6.0	U= .639 / 3.5	V= 5.783 / 1.4	W= .027904 / 10.7	T= 1.062 / 9.2					
LAT= 12.0	U= 1.305 / 3.5	V= 4.953 / 1.6	W= .051288 / 10.8	T= 2.008 / 9.3					
LAT= 18.0	U= 2.028 / 3.7	V= 3.815 / 2.1	W= .067206 / 11.0	T= 2.753 / 9.5					
LAT= 24.0	U= 2.811 / 3.8	V= 2.768 / 3.0	W= .074758 / 11.2	T= 3.253 / 9.7					
LAT= 30.0	U= 3.600 / 4.0	V= 2.438 / 4.4	W= .074789 / 11.5	T= 3.496 / 10.0					
LAT= 36.0	U= 4.354 / 4.2	V= 3.006 / 5.7	W= .069166 / 11.9	T= 3.505 / 10.3					
LAT= 42.0	U= 4.961 / 4.4	V= 3.853 / 6.4	W= .060085 / 12.3	T= 3.315 / 10.6					
LAT= 48.0	U= 5.309 / 4.5	V= 4.550 / 6.9	W= .049711 / 12.8	T= 2.955 / 10.9					
LAT= 54.0	U= 5.373 / 4.7	V= 4.948 / 7.3	W= .039731 / 13.3	T= 2.468 / 11.2					
LAT= 60.0	U= 5.214 / 4.9	V= 4.988 / 7.7	W= .030743 / 13.8	T= 1.923 / 11.4					
LAT= 66.0	U= 4.708 / 5.0	V= 4.634 / 7.9	W= .021570 / 14.3	T= 1.344 / 11.7					
LAT= 72.0	U= 4.001 / 5.1	V= 3.875 / 8.1	W= .013323 / 14.8	T= .846 / 11.7					
LAT= 78.0	U= 2.788 / 5.2	V= 2.740 / 8.3	W= .004504 / 15.3	T= .364 / 11.7					
LAT= 84.0	U= 1.379 / 5.4	V= 1.452 / 8.8	W= .001783 / 16.0	T= .089 / 12.0					
Z = 240.988 KM									
LAT= 0.0	U= 0.000 / 6.0	V= 6.239 / 1.1	W= .000024 / 10.9	T= 0.000 / 11.4					
LAT= 6.0	U= .685 / 3.1	V= 5.941 / 1.1	W= .028930 / 10.2	T= 1.076 / 9.1					
LAT= 12.0	U= 1.392 / 3.2	V= 5.117 / 1.4	W= .053301 / 10.3	T= 2.037 / 9.2					
LAT= 18.0	U= 2.153 / 3.3	V= 3.978 / 1.8	W= .069986 / 10.4	T= 2.797 / 9.4					
LAT= 24.0	U= 2.976 / 3.5	V= 2.904 / 2.7	W= .077719 / 10.6	T= 3.313 / 9.7					
LAT= 30.0	U= 3.817 / 3.7	V= 2.505 / 4.1	W= .077106 / 10.9	T= 3.571 / 10.0					
LAT= 36.0	U= 4.630 / 3.9	V= 3.039 / 5.4	W= .070034 / 11.3	T= 3.595 / 10.2					
LAT= 42.0	U= 5.288 / 4.1	V= 3.915 / 6.2	W= .059054 / 11.7	T= 3.414 / 10.5					
LAT= 48.0	U= 5.669 / 4.3	V= 4.669 / 6.7	W= .046897 / 12.2	T= 3.057 / 10.8					
LAT= 54.0	U= 5.743 / 4.5	V= 5.128 / 7.1	W= .035951 / 12.8	T= 2.563 / 11.1					
LAT= 60.0	U= 5.575 / 4.7	V= 5.219 / 7.5	W= .027279 / 13.3	T= 2.003 / 11.3					
LAT= 66.0	U= 5.040 / 4.9	V= 4.897 / 7.7	W= .019043 / 13.8	T= 1.401 / 11.6					
LAT= 72.0	U= 4.285 / 4.9	V= 4.123 / 7.9	W= .011344 / 14.3	T= .883 / 11.7					
LAT= 78.0	U= 2.973 / 5.0	V= 2.919 / 8.1	W= .003006 / 14.8	T= .382 / 11.7					
LAT= 84.0	U= 1.474 / 5.2	V= 1.543 / 8.6	W= .002196 / 15.5	T= .097 / 12.0					
Z = 272.801 KM									
LAT= 0.0	U= 0.000 / 5.9	V= 6.360 / .9	W= .000028 / 10.7	T= 0.000 / 11.3					
LAT= 6.0	U= .721 / 2.9	V= 6.063 / 1.0	W= .030651 / 9.6	T= 1.103 / 9.1					
LAT= 12.0	U= 1.464 / 3.0	V= 5.242 / 1.3	W= .056717 / 9.7	T= 2.087 / 9.2					
LAT= 18.0	U= 2.258 / 3.2	V= 4.058 / 1.7	W= .074840 / 9.9	T= 2.868 / 9.4					
LAT= 24.0	U= 3.115 / 3.4	V= 3.003 / 2.6	W= .083240 / 10.1	T= 3.400 / 9.7					
LAT= 30.0	U= 3.993 / 3.6	V= 2.569 / 3.9	W= .082125 / 10.3	T= 3.669 / 9.9					
LAT= 36.0	U= 4.844 / 3.8	V= 3.093 / 5.2	W= .073359 / 10.6	T= 3.698 / 10.2					
LAT= 42.0	U= 5.535 / 4.0	V= 3.994 / 6.0	W= .059870 / 11.0	T= 3.517 / 10.5					
LAT= 48.0	U= 5.936 / 4.2	V= 4.768 / 6.6	W= .044898 / 11.5	T= 3.154 / 10.8					
LAT= 54.0	U= 6.012 / 4.4	V= 5.263 / 7.0	W= .031587 / 12.0	T= 2.647 / 11.1					
LAT= 60.0	U= 6.634 / 4.6	V= 5.398 / 7.4	W= .022204 / 12.6	T= 2.071 / 11.3					
LAT= 66.0	U= 5.275 / 4.8	V= 5.068 / 7.6	W= .014844 / 13.2	T= 1.450 / 11.6					
LAT= 72.0	U= 4.483 / 4.9	V= 4.300 / 7.8	W= .008333 / 13.8	T= .914 / 11.8					
LAT= 78.0	U= 3.103 / 4.9	V= 3.044 / 8.1	W= .001184 / 14.5	T= .396 / 11.8					
LAT= 84.0	U= 1.540 / 5.1	V= 1.604 / 8.5	W= .002416 / 15.1	T= .102 / 11.9					

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 0° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 600 K

Z = 304.762 KM

LAT= 0.0	U= 0.000 / 5.9	V= 6.474 / .9	W= .000032 / 10.6	T= 0.000 / 11.3
LAT= 6.0	U= .748 / 2.8	V= 6.177 / 1.0	W= .033681 / 9.2	T= 1.133 / 9.1
LAT= 12.0	U= 1.517 / 2.9	V= 5.352 / 1.2	W= .062677 / 9.2	T= 2.145 / 9.2
LAT= 18.0	U= 2.338 / 3.1	V= 4.197 / 1.7	W= .083344 / 9.4	T= 2.947 / 9.4
LAT= 24.0	U= 3.223 / 3.3	V= 3.082 / 2.5	W= .093348 / 9.5	T= 3.495 / 9.7
LAT= 30.0	U= 4.128 / 3.5	V= 2.627 / 3.9	W= .092444 / 9.8	T= 3.773 / 9.9
LAT= 36.0	U= 5.006 / 3.8	V= 3.150 / 5.2	W= .082478 / 10.0	T= 3.804 / 10.2
LAT= 42.0	U= 5.721 / 4.0	V= 4.075 / 6.0	W= .066736 / 10.3	T= 3.620 / 10.5
LAT= 48.0	U= 6.134 / 4.2	V= 4.896 / 6.6	W= .048768 / 10.6	T= 3.248 / 10.8
LAT= 54.0	U= 6.212 / 4.4	V= 5.415 / 7.0	W= .032045 / 11.0	T= 2.728 / 11.1
LAT= 60.0	U= 6.026 / 4.6	V= 5.543 / 7.3	W= .019994 / 11.5	T= 2.135 / 11.3
LAT= 66.0	U= 5.448 / 4.7	V= 5.236 / 7.6	W= .011820 / .0	T= 1.496 / 11.6
LAT= 72.0	U= 4.629 / 4.8	V= 4.432 / 7.8	W= .006351 / .0	T= .942 / 11.6
LAT= 78.0	U= 3.200 / 4.9	V= 3.137 / 8.0	W= .002354 / 9.6	T= .409 / 11.6
LAT= 84.0	U= 1.589 / 5.1	V= 1.649 / 8.5	W= .002611 / 5.5	T= .106 / 11.9

Z = 336.754 KM

LAT= 0.0	U= 0.000 / 5.9	V= 6.591 / .9	W= .000037 / 10.4	T= 0.000 / 11.3
LAT= 6.0	U= .770 / 2.8	V= 6.292 / .9	W= .038277 / 8.7	T= 1.164 / 9.1
LAT= 12.0	U= 1.561 / 2.9	V= 5.457 / 1.2	W= .071658 / 8.8	T= 2.202 / 9.2
LAT= 18.0	U= 2.403 / 3.1	V= 4.286 / 1.6	W= .096142 / 8.9	T= 3.027 / 9.4
LAT= 24.0	U= 3.310 / 3.3	V= 3.151 / 2.5	W= .108836 / 9.1	T= 3.590 / 9.7
LAT= 30.0	U= 4.239 / 3.5	V= 2.681 / 3.8	W= .109037 / 9.3	T= 3.876 / 9.9
LAT= 36.0	U= 5.139 / 3.7	V= 3.210 / 5.1	W= .098637 / 9.5	T= 3.909 / 10.2
LAT= 42.0	U= 5.871 / 4.0	V= 4.154 / 6.0	W= .081300 / 9.7	T= 3.721 / 10.5
LAT= 48.0	U= 6.294 / 4.2	V= 4.998 / 6.5	W= .060856 / 9.9	T= 3.339 / 10.8
LAT= 54.0	U= 6.374 / 4.4	V= 5.534 / 7.0	W= .040937 / 10.1	T= 2.805 / 11.1
LAT= 60.0	U= 6.182 / 4.5	V= 5.670 / 7.3	W= .025436 / 10.3	T= 2.196 / 11.3
LAT= 66.0	U= 5.588 / 4.7	V= 5.361 / 7.6	W= .014497 / 10.6	T= 1.538 / 11.6
LAT= 72.0	U= 4.747 / 4.8	V= 4.542 / 7.8	W= .008736 / 10.4	T= .969 / 11.6
LAT= 78.0	U= 3.279 / 4.8	V= 3.215 / 8.0	W= .005301 / 9.1	T= .420 / 11.6
LAT= 84.0	U= 1.629 / 5.1	V= 1.687 / 8.5	W= .002898 / 5.9	T= .110 / 11.9

Z = 368.753 KM

LAT= 0.0	U= 0.000 / 5.9	V= 6.712 / .8	W= .000041 / 10.3	T= 0.000 / 11.3
LAT= 6.0	U= .789 / 2.7	V= 6.408 / .9	W= .044325 / 8.4	T= 1.193 / 9.1
LAT= 12.0	U= 1.598 / 2.9	V= 5.561 / 1.2	W= .083422 / 8.5	T= 2.258 / 9.2
LAT= 18.0	U= 2.459 / 3.0	V= 4.371 / 1.6	W= .112859 / 8.6	T= 3.103 / 9.4
LAT= 24.0	U= 3.387 / 3.3	V= 3.216 / 2.5	W= .129173 / 8.8	T= 3.680 / 9.7
LAT= 30.0	U= 4.335 / 3.5	V= 2.734 / 3.8	W= .131215 / 8.9	T= 3.974 / 9.9
LAT= 36.0	U= 5.255 / 3.7	V= 3.270 / 5.1	W= .120954 / 9.1	T= 4.008 / 10.2
LAT= 42.0	U= 6.002 / 3.9	V= 4.234 / 6.0	W= .102420 / 9.3	T= 3.815 / 10.5
LAT= 48.0	U= 6.435 / 4.1	V= 5.097 / 6.5	W= .079699 / 9.4	T= 3.424 / 10.8
LAT= 54.0	U= 6.517 / 4.3	V= 5.647 / 6.9	W= .056588 / 9.5	T= 2.877 / 11.1
LAT= 60.0	U= 6.320 / 4.5	V= 5.789 / 7.3	W= .037335 / 9.6	T= 2.252 / 11.3
LAT= 66.0	U= 5.712 / 4.7	V= 5.474 / 7.6	W= .022582 / 9.8	T= 1.577 / 11.5
LAT= 72.0	U= 4.853 / 4.8	V= 4.640 / 7.8	W= .014427 / 9.7	T= .994 / 11.6
LAT= 78.0	U= 3.351 / 4.8	V= 3.285 / 8.0	W= .008654 / 8.9	T= .431 / 11.6
LAT= 84.0	U= 1.665 / 5.1	V= 1.722 / 8.5	W= .003328 / 6.4	T= .113 / 11.9

Z = 400.753 KM

LAT= 0.0	U= 0.000 / 5.9	V= 6.838 / .8	W= .000046 / 10.2	T= 0.000 / 11.3
LAT= 6.0	U= .805 / 2.7	V= 6.528 / .9	W= .051370 / 8.1	T= 1.220 / 9.1
LAT= 12.0	U= 1.632 / 2.9	V= 5.667 / 1.1	W= .097088 / 8.2	T= 2.310 / 9.2
LAT= 18.0	U= 2.510 / 3.0	V= 4.456 / 1.6	W= .132245 / 8.3	T= 3.174 / 9.4
LAT= 24.0	U= 3.457 / 3.3	V= 3.279 / 2.5	W= .152807 / 8.5	T= 3.764 / 9.7
LAT= 30.0	U= 4.425 / 3.5	V= 2.786 / 3.8	W= .157191 / 8.6	T= 4.064 / 9.9
LAT= 36.0	U= 5.363 / 3.7	V= 3.321 / 5.1	W= .147435 / 8.8	T= 4.100 / 10.2
LAT= 42.0	U= 6.126 / 3.9	V= 4.315 / 6.0	W= .127875 / 9.0	T= 3.903 / 10.5
LAT= 48.0	U= 6.567 / 4.1	V= 5.196 / 6.5	W= .102789 / 9.1	T= 3.502 / 10.8
LAT= 54.0	U= 6.650 / 4.3	V= 5.757 / 6.9	W= .076134 / 9.2	T= 2.942 / 11.1
LAT= 60.0	U= 6.448 / 4.5	V= 5.903 / 7.3	W= .052591 / 9.3	T= 2.303 / 11.3
LAT= 66.0	U= 5.829 / 4.7	V= 5.584 / 7.6	W= .033217 / 9.4	T= 1.613 / 11.5
LAT= 72.0	U= 4.951 / 4.8	V= 4.734 / 7.8	W= .021469 / 9.4	T= 1.017 / 11.6
LAT= 78.0	U= 3.419 / 4.8	V= 3.351 / 8.0	W= .012247 / 8.8	T= .440 / 11.6
LAT= 84.0	U= 1.698 / 5.1	V= 1.756 / 8.5	W= .003881 / 6.7	T= .115 / 11.9

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200, \text{ and } 1400 \text{ K}$ (contd)

										$T_0 = 800 \text{ K}$	
$Z = 100.017 \text{ KM}$											
LAT= 0.0	U=	0.000 / .3	V=	2.578 / 9.8	W=	.000001 / 7.6	T=	0.000 / 4.9			
LAT= 6.0	U=	.254 / 1.0	V=	2.268 / 9.9	W=	.003926 / 7.7	T=	.409 / 5.7			
LAT= 12.0	U=	.592 / .9	V=	1.428 / 10.0	W=	.006990 / 7.8	T=	.740 / 5.7			
LAT= 18.0	U=	1.047 / .9	V=	.331 / 11.1	W=	.008675 / 8.0	T=	.940 / 5.9			
LAT= 24.0	U=	1.575 / .9	V=	.955 / 3.5	W=	.008956 / 8.2	T=	1.000 / 6.0			
LAT= 30.0	U=	2.080 / 1.0	V=	1.936 / 3.8	W=	.008203 / 8.5	T=	.938 / 6.2			
LAT= 36.0	U=	2.464 / 1.1	V=	2.595 / 4.0	W=	.006909 / 8.9	T=	.796 / 6.5			
LAT= 42.0	U=	2.662 / 1.2	V=	2.897 / 4.1	W=	.005455 / 9.4	T=	.616 / 6.7			
LAT= 48.0	U=	2.658 / 1.3	V=	2.886 / 4.3	W=	.004044 / 9.9	T=	.433 / 7.0			
LAT= 54.0	U=	2.476 / 1.4	V=	2.644 / 4.4	W=	.002790 / 10.3	T=	.276 / 7.3			
LAT= 60.0	U=	2.158 / 1.4	V=	2.259 / 4.4	W=	.001755 / 10.8	T=	.157 / 7.6			
LAT= 66.0	U=	1.755 / 1.5	V=	1.804 / 4.5	W=	.001056 / 11.4	T=	.083 / 8.2			
LAT= 72.0	U=	1.324 / 1.5	V=	1.330 / 4.5	W=	.000620 / 11.8	T=	.043 / 8.6			
LAT= 78.0	U=	.859 / 1.5	V=	.863 / 4.5	W=	.000355 / .3	T=	.019 / 9.1			
LAT= 84.0	U=	.428 / 1.5	V=	.418 / 4.5	W=	.000063 / 10.7	T=	.004 / 7.3			
$Z = 103.521 \text{ KM}$											
LAT= 0.0	U=	.001 / .3	V=	3.005 / 9.5	W=	.000002 / 7.3	T=	0.000 / 4.6			
LAT= 6.0	U=	.325 / .7	V=	2.701 / 9.6	W=	.004314 / 6.9	T=	.484 / 5.0			
LAT= 12.0	U=	.726 / .7	V=	1.858 / 9.8	W=	.007805 / 7.0	T=	.891 / 5.1			
LAT= 18.0	U=	1.248 / .6	V=	.703 / 10.7	W=	.009932 / 7.2	T=	1.164 / 5.3			
LAT= 24.0	U=	1.881 / .7	V=	.916 / 2.8	W=	.010564 / 7.4	T=	1.280 / 5.4			
LAT= 30.0	U=	2.564 / .8	V=	2.197 / 3.4	W=	.009940 / 7.7	T=	1.247 / 5.6			
LAT= 36.0	U=	3.204 / .9	V=	3.281 / 3.7	W=	.008493 / 8.1	T=	1.096 / 5.9			
LAT= 42.0	U=	3.696 / 1.0	V=	4.007 / 3.9	W=	.006667 / 8.5	T=	.876 / 6.1			
LAT= 48.0	U=	3.948 / 1.1	V=	4.313 / 4.1	W=	.004824 / 9.0	T=	.634 / 6.4			
LAT= 54.0	U=	3.912 / 1.3	V=	4.212 / 4.2	W=	.003224 / 9.5	T=	.415 / 6.8			
LAT= 60.0	U=	3.590 / 1.4	V=	3.780 / 4.4	W=	.001984 / 10.1	T=	.243 / 7.1			
LAT= 66.0	U=	3.038 / 1.4	V=	3.124 / 4.4	W=	.001197 / 10.8	T=	.133 / 7.8			
LAT= 72.0	U=	2.352 / 1.5	V=	2.350 / 4.5	W=	.000725 / 11.3	T=	.073 / 8.2			
LAT= 78.0	U=	1.550 / 1.6	V=	1.543 / 4.5	W=	.000478 / 11.7	T=	.041 / 8.7			
LAT= 84.0	U=	.770 / 1.5	V=	.751 / 4.6	W=	.000096 / 10.3	T=	.009 / 7.2			
$Z = 107.177 \text{ KM}$											
LAT= 0.0	U=	.001 / 11.9	V=	4.243 / 9.2	W=	.000004 / 6.8	T=	0.000 / 4.1			
LAT= 6.0	U=	.474 / .3	V=	3.841 / 9.2	W=	.005422 / 6.0	T=	.700 / 4.1			
LAT= 12.0	U=	1.046 / .2	V=	2.706 / 9.3	W=	.009926 / 6.1	T=	1.297 / 4.1			
LAT= 18.0	U=	1.779 / .2	V=	1.074 / 10.0	W=	.012835 / 6.2	T=	1.710 / 4.2			
LAT= 24.0	U=	2.669 / .2	V=	1.142 / 2.3	W=	.013860 / 6.4	T=	1.894 / 4.4			
LAT= 30.0	U=	3.645 / .3	V=	3.024 / 2.9	W=	.013137 / 6.6	T=	1.849 / 4.5			
LAT= 36.0	U=	4.572 / .3	V=	4.644 / 3.1	W=	.011123 / 6.8	T=	1.618 / 4.7			
LAT= 42.0	U=	5.288 / .4	V=	5.740 / 3.3	W=	.008453 / 7.1	T=	1.277 / 5.0			
LAT= 48.0	U=	5.661 / .4	V=	6.210 / 3.4	W=	.005755 / 7.5	T=	.908 / 5.3			
LAT= 54.0	U=	5.612 / .5	V=	6.078 / 3.5	W=	.003521 / 8.0	T=	.580 / 5.7			
LAT= 60.0	U=	5.157 / .6	V=	5.457 / 3.6	W=	.001959 / 8.7	T=	.336 / 6.1			
LAT= 66.0	U=	4.353 / .7	V=	4.513 / 3.7	W=	.001108 / 9.7	T=	.182 / 6.9			
LAT= 72.0	U=	3.377 / .7	V=	3.397 / 3.7	W=	.000702 / 10.5	T=	.107 / 7.5			
LAT= 78.0	U=	2.265 / .8	V=	2.224 / 3.8	W=	.000488 / 10.5	T=	.067 / 7.6			
LAT= 84.0	U=	1.114 / .8	V=	1.060 / 3.8	W=	.000112 / 9.4	T=	.016 / 6.4			
$Z = 111.019 \text{ KM}$											
LAT= 0.0	U=	.004 / 10.9	V=	5.342 / 8.3	W=	.000004 / 5.7	T=	.001 / 3.0			
LAT= 6.0	U=	.628 / 11.4	V=	4.865 / 8.4	W=	.007327 / 4.9	T=	1.123 / 2.6			
LAT= 12.0	U=	1.347 / 11.4	V=	3.521 / 8.5	W=	.013423 / 4.9	T=	2.067 / 2.7			
LAT= 18.0	U=	2.218 / 11.4	V=	1.616 / 9.2	W=	.017365 / 5.0	T=	2.693 / 2.7			
LAT= 24.0	U=	3.240 / 11.3	V=	1.307 / .8	W=	.018747 / 5.1	T=	2.938 / 2.9			
LAT= 30.0	U=	4.338 / 11.3	V=	3.448 / 1.8	W=	.017726 / 5.3	T=	2.815 / 3.0			
LAT= 36.0	U=	5.377 / 11.3	V=	5.373 / 2.0	W=	.014922 / 5.5	T=	2.411 / 3.2			
LAT= 42.0	U=	6.185 / 11.4	V=	6.693 / 2.2	W=	.011213 / 5.7	T=	1.856 / 3.5			
LAT= 48.0	U=	6.609 / 11.4	V=	7.279 / 2.3	W=	.007476 / 6.0	T=	1.286 / 3.8			
LAT= 54.0	U=	6.562 / 11.5	V=	7.153 / 2.4	W=	.004382 / 6.3	T=	.803 / 4.2			
LAT= 60.0	U=	6.061 / 11.6	V=	6.451 / 2.5	W=	.002238 / 6.9	T=	.459 / 4.8			
LAT= 66.0	U=	5.120 / 11.6	V=	5.364 / 2.6	W=	.001091 / 8.0	T=	.251 / 5.7			
LAT= 72.0	U=	4.017 / 11.7	V=	4.056 / 2.7	W=	.000667 / 8.9	T=	.159 / 6.2			
LAT= 78.0	U=	2.748 / 11.8	V=	2.652 / 2.8	W=	.000474 / 8.7	T=	.097 / 5.9			
LAT= 84.0	U=	1.335 / 11.8	V=	1.229 / 2.9	W=	.000114 / 7.5	T=	.024 / 4.8			

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

										$T_0 = 800$ K
Z = 115.091 KM										
LAT= 0.0	U=	.004 / 9.8	V=	5.729 / 7.4	W=	.000005 / 4.4	T=	.001 / 1.6		
LAT= 6.0	U=	.690 / 10.5	V=	5.263 / 7.5	W=	.009453 / 3.9	T=	1.673 / 1.2		
LAT= 12.0	U=	1.440 / 10.4	V=	3.960 / 7.7	W=	.017349 / 3.9	T=	3.063 / 1.2		
LAT= 18.0	U=	2.288 / 10.4	V=	2.161 / 8.3	W=	.032518 / 4.0	T=	3.962 / 1.3		
LAT= 24.0	U=	3.238 / 10.3	V=	1.446 / 11.0	W=	.024442 / 4.1	T=	4.282 / 1.4		
LAT= 30.0	U=	4.236 / 10.3	V=	3.215 / .4	W=	.023311 / 4.2	T=	4.067 / 1.6		
LAT= 36.0	U=	5.176 / 10.3	V=	5.058 / .8	W=	.019888 / 4.3	T=	3.459 / 1.7		
LAT= 42.0	U=	5.917 / 10.3	V=	6.364 / 1.1	W=	.015251 / 4.5	T=	2.652 / 2.0		
LAT= 48.0	U=	6.325 / 10.4	V=	6.978 / 1.2	W=	.010483 / 4.7	T=	1.836 / 2.2		
LAT= 54.0	U=	6.307 / 10.5	V=	6.914 / 1.4	W=	.006410 / 4.9	T=	1.148 / 2.6		
LAT= 60.0	U=	5.875 / 10.6	V=	6.287 / 1.5	W=	.003450 / 5.3	T=	.656 / 3.1		
LAT= 66.0	U=	4.989 / 10.7	V=	5.273 / 1.7	W=	.001623 / 6.0	T=	.352 / 3.9		
LAT= 72.0	U=	3.989 / 10.8	V=	4.018 / 1.8	W=	.000886 / 6.7	T=	.221 / 4.4		
LAT= 78.0	U=	2.773 / 10.8	V=	2.629 / 1.9	W=	.000592 / 6.5	T=	.130 / 3.9		
LAT= 84.0	U=	1.327 / 10.9	V=	1.190 / 2.0	W=	.000181 / 5.3	T=	.038 / 2.6		
Z = 119.451 KM										
LAT= 0.0	U=	.004 / 8.7	V=	5.616 / 6.6	W=	.000005 / 3.1	T=	.001 / .4		
LAT= 6.0	U=	.674 / 9.5	V=	5.201 / 6.6	W=	.011517 / 3.0	T=	2.094 / .1		
LAT= 12.0	U=	1.375 / 9.5	V=	4.047 / 6.8	W=	.021223 / 3.1	T=	3.841 / .1		
LAT= 18.0	U=	2.123 / 9.4	V=	2.494 / 7.5	W=	.027743 / 3.1	T=	4.983 / .2		
LAT= 24.0	U=	2.922 / 9.4	V=	1.659 / 9.5	W=	.030439 / 3.2	T=	5.416 / .3		
LAT= 30.0	U=	3.745 / 9.3	V=	2.833 / 11.1	W=	.029488 / 3.3	T=	5.192 / .4		
LAT= 36.0	U=	4.518 / 9.3	V=	4.375 / 11.7	W=	.025723 / 3.4	T=	4.481 / .6		
LAT= 42.0	U=	5.136 / 9.3	V=	5.517 / .0	W=	.020358 / 3.5	T=	3.513 / .8		
LAT= 48.0	U=	5.489 / 9.4	V=	6.079 / .2	W=	.014646 / 3.7	T=	2.513 / 1.0		
LAT= 54.0	U=	5.493 / 9.5	V=	6.057 / .4	W=	.009557 / 4.0	T=	1.645 / 1.3		
LAT= 60.0	U=	5.155 / 9.6	V=	5.541 / .6	W=	.005656 / 4.2	T=	.993 / 1.7		
LAT= 66.0	U=	4.401 / 9.8	V=	4.675 / .7	W=	.002960 / 4.8	T=	.554 / 2.3		
LAT= 72.0	U=	3.584 / 9.9	V=	3.582 / .9	W=	.001715 / 5.1	T=	.342 / 2.6		
LAT= 78.0	U=	2.519 / 10.0	V=	2.343 / 1.0	W=	.000981 / 4.9	T=	.182 / 2.1		
LAT= 84.0	U=	1.190 / 10.0	V=	1.040 / 1.3	W=	.000313 / 3.9	T=	.056 / .8		
Z = 124.175 KM										
LAT= 0.0	U=	.004 / 7.8	V=	5.262 / 5.7	W=	.000006 / 1.9	T=	.001 / 11.4		
LAT= 6.0	U=	.629 / 8.7	V=	4.898 / 5.8	W=	.013433 / 2.3	T=	2.251 / 11.3		
LAT= 12.0	U=	1.262 / 8.6	V=	3.895 / 6.1	W=	.024876 / 2.4	T=	4.148 / 11.3		
LAT= 18.0	U=	1.906 / 8.5	V=	2.574 / 6.7	W=	.032785 / 2.4	T=	5.427 / 11.4		
LAT= 24.0	U=	2.575 / 8.4	V=	1.813 / 8.3	W=	.036399 / 2.5	T=	5.968 / 11.5		
LAT= 30.0	U=	3.259 / 8.4	V=	2.600 / 10.0	W=	.035833 / 2.6	T=	5.815 / 11.6		
LAT= 36.0	U=	3.905 / 8.4	V=	3.847 / 10.6	W=	.031938 / 2.7	T=	5.130 / 11.8		
LAT= 42.0	U=	4.428 / 8.4	V=	4.808 / 11.0	W=	.026015 / 2.9	T=	4.142 / 12.0		
LAT= 48.0	U=	4.737 / 8.5	V=	5.287 / 11.3	W=	.019455 / 3.0	T=	3.082 / .2		
LAT= 54.0	U=	4.753 / 8.6	V=	5.269 / 11.5	W=	.013378 / 3.3	T=	2.123 / .5		
LAT= 60.0	U=	4.482 / 8.7	V=	4.826 / 11.7	W=	.008498 / 3.5	T=	1.365 / .8		
LAT= 66.0	U=	3.844 / 8.9	V=	4.075 / 11.9	W=	.004871 / 4.0	T=	.809 / 1.3		
LAT= 72.0	U=	3.167 / 9.1	V=	3.127 / .0	W=	.003013 / 4.2	T=	.504 / 1.4		
LAT= 78.0	U=	2.236 / 9.1	V=	2.043 / .2	W=	.001549 / 3.8	T=	.240 / .8		
LAT= 84.0	U=	1.041 / 9.2	V=	.895 / .6	W=	.000454 / 2.8	T=	.066 / 11.5		
Z = 129.367 KM										
LAT= 0.0	U=	.004 / 7.2	V=	4.848 / 5.0	W=	.000009 / 1.1	T=	.001 / 10.8		
LAT= 6.0	U=	.579 / 8.0	V=	4.522 / 5.0	W=	.015033 / 1.7	T=	2.197 / 10.6		
LAT= 12.0	U=	1.150 / 7.9	V=	3.633 / 5.3	W=	.027977 / 1.7	T=	4.074 / 10.7		
LAT= 18.0	U=	1.720 / 7.7	V=	2.484 / 6.0	W=	.037175 / 1.8	T=	5.384 / 10.8		
LAT= 24.0	U=	2.310 / 7.6	V=	1.843 / 7.5	W=	.041743 / 1.9	T=	6.006 / 10.9		
LAT= 30.0	U=	2.920 / 7.5	V=	2.471 / 9.0	W=	.041704 / 2.0	T=	5.960 / 11.0		
LAT= 36.0	U=	3.501 / 7.5	V=	3.524 / 9.7	W=	.037667 / 2.1	T=	5.381 / 11.2		
LAT= 42.0	U=	3.976 / 7.5	V=	4.350 / 10.1	W=	.031563 / 2.3	T=	4.470 / 11.3		
LAT= 48.0	U=	4.258 / 7.6	V=	4.760 / 10.4	W=	.024304 / 2.5	T=	3.443 / 11.6		
LAT= 54.0	U=	4.280 / 7.7	V=	4.735 / 10.6	W=	.017345 / 2.8	T=	2.473 / 11.9		
LAT= 60.0	U=	4.046 / 7.9	V=	4.333 / 10.8	W=	.011560 / 3.1	T=	1.670 / .1		
LAT= 66.0	U=	3.482 / 8.0	V=	3.658 / 11.0	W=	.007038 / 3.5	T=	1.040 / .6		
LAT= 72.0	U=	2.881 / 8.2	V=	2.805 / 11.2	W=	.004496 / 3.6	T=	.651 / .6		
LAT= 78.0	U=	2.027 / 8.3	V=	1.832 / 11.4	W=	.002140 / 3.0	T=	.281 / 12.0		
LAT= 84.0	U=	.937 / 8.4	V=	.810 / 11.9	W=	.000572 / 1.8	T=	.063 / 10.5		

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 800 K

Z = 135.169 KM

LAT= 0.0	U= .002 / 6.7	V= 4.471 / 4.2	W= .000010 / .4	T= .001 / 10.3
LAT= 6.0	U= .532 / 7.3	V= 4.173 / 4.3	W= .016196 / 1.1	T= 2.041 / 10.1
LAT= 12.0	U= 1.056 / 7.1	V= 3.361 / 4.5	W= .030273 / 1.1	T= 3.811 / 10.1
LAT= 18.0	U= 1.589 / 7.0	V= 2.326 / 5.2	W= .040511 / 1.2	T= 5.091 / 10.2
LAT= 24.0	U= 2.152 / 6.8	V= 1.774 / 6.7	W= .045929 / 1.3	T= 5.763 / 10.3
LAT= 30.0	U= 2.747 / 6.7	V= 2.349 / 8.2	W= .046445 / 1.5	T= 5.826 / 10.5
LAT= 36.0	U= 3.316 / 6.6	V= 3.307 / 8.9	W= .042794 / 1.6	T= 5.377 / 10.6
LAT= 42.0	U= 3.775 / 6.7	V= 4.062 / 9.3	W= .036292 / 1.8	T= 4.580 / 10.8
LAT= 48.0	U= 4.047 / 6.7	V= 4.444 / 9.6	W= .028527 / 2.1	T= 3.633 / 11.1
LAT= 54.0	U= 4.071 / 6.9	V= 4.432 / 9.8	W= .020886 / 2.4	T= 2.697 / 11.4
LAT= 60.0	U= 3.858 / 7.0	V= 4.072 / 10.0	W= .014365 / 2.6	T= 1.888 / 11.6
LAT= 66.0	U= 3.331 / 7.2	V= 3.453 / 10.2	W= .009088 / 3.1	T= 1.214 / 12.0
LAT= 72.0	U= 2.762 / 7.4	V= 2.663 / 10.4	W= .005864 / 3.1	T= .759 / 12.0
LAT= 78.0	U= 1.926 / 7.4	V= 1.751 / 10.7	W= .002619 / 2.4	T= .304 / 11.3
LAT= 84.0	U= .891 / 7.5	V= .803 / 11.3	W= .000664 / .7	T= .057 / 9.5

Z = 141.772 KM

LAT= 0.0	U= .002 / 6.3	V= 4.158 / 3.5	W= .000012 / .0	T= .001 / 9.9
LAT= 6.0	U= .490 / 6.6	V= 3.883 / 3.5	W= .017009 / .5	T= 1.858 / 9.5
LAT= 12.0	U= .987 / 6.4	V= 3.133 / 3.8	W= .031881 / .6	T= 3.490 / 9.6
LAT= 18.0	U= 1.512 / 6.3	V= 2.170 / 4.5	W= .042865 / .6	T= 4.710 / 9.7
LAT= 24.0	U= 2.084 / 6.1	V= 1.651 / 6.0	W= .048917 / .8	T= 5.405 / 9.8
LAT= 30.0	U= 2.690 / 6.0	V= 2.192 / 7.4	W= .049884 / .9	T= 5.557 / 9.9
LAT= 36.0	U= 3.263 / 5.9	V= 3.107 / 8.1	W= .046439 / 1.1	T= 5.230 / 10.1
LAT= 42.0	U= 3.715 / 6.0	V= 3.845 / 8.5	W= .039864 / 1.4	T= 4.551 / 10.3
LAT= 48.0	U= 3.981 / 6.1	V= 4.243 / 8.8	W= .031786 / 1.6	T= 3.693 / 10.6
LAT= 54.0	U= 4.009 / 6.2	V= 4.270 / 9.1	W= .023680 / 1.9	T= 2.810 / 10.8
LAT= 60.0	U= 3.814 / 6.3	V= 3.965 / 9.3	W= .016634 / 2.2	T= 2.018 / 11.1
LAT= 66.0	U= 3.310 / 6.5	V= 3.399 / 9.5	W= .010781 / 2.7	T= 1.327 / 11.5
LAT= 72.0	U= 2.757 / 6.6	V= 2.653 / 9.7	W= .006939 / 2.6	T= .826 / 11.4
LAT= 78.0	U= 1.908 / 6.6	V= 1.769 / 9.9	W= .002942 / 1.9	T= .316 / 10.8
LAT= 84.0	U= .891 / 6.9	V= .860 / 10.6	W= .000732 / 11.8	T= .050 / 8.7

Z = 149.425 KM

LAT= 0.0	U= .002 / 5.9	V= 3.893 / 2.7	W= .000015 / 11.8	T= .001 / 9.5
LAT= 6.0	U= .456 / 5.9	V= 3.640 / 2.8	W= .017668 / 11.9	T= 1.685 / 8.9
LAT= 12.0	U= .936 / 5.7	V= 2.946 / 3.1	W= .033159 / .0	T= 3.181 / 9.0
LAT= 18.0	U= 1.460 / 5.6	V= 2.043 / 3.7	W= .044686 / .1	T= 4.327 / 9.1
LAT= 24.0	U= 2.038 / 5.5	V= 1.509 / 5.2	W= .051173 / .2	T= 5.018 / 9.2
LAT= 30.0	U= 2.640 / 5.4	V= 1.990 / 6.7	W= .052448 / .4	T= 5.227 / 9.4
LAT= 36.0	U= 3.198 / 5.4	V= 2.872 / 7.4	W= .049163 / .6	T= 4.996 / 9.6
LAT= 42.0	U= 3.629 / 5.4	V= 3.611 / 7.9	W= .042577 / .9	T= 4.420 / 9.8
LAT= 48.0	U= 3.883 / 5.5	V= 4.038 / 8.2	W= .034318 / 1.1	T= 3.648 / 10.0
LAT= 54.0	U= 3.917 / 5.6	V= 4.116 / 8.4	W= .025904 / 1.4	T= 2.826 / 10.3
LAT= 60.0	U= 3.749 / 5.7	V= 3.869 / 8.6	W= .018472 / 1.7	T= 2.066 / 10.5
LAT= 66.0	U= 3.276 / 5.8	V= 3.358 / 8.8	W= .012159 / 2.2	T= 1.377 / 10.9
LAT= 72.0	U= 2.748 / 5.9	V= 2.657 / 9.0	W= .007754 / 2.1	T= .853 / 10.8
LAT= 78.0	U= 1.897 / 6.0	V= 1.804 / 9.3	W= .003133 / 1.4	T= .321 / 10.2
LAT= 84.0	U= .899 / 6.3	V= .933 / 10.0	W= .000704 / 11.2	T= .043 / 8.2

Z = 158.420 KM

LAT= 0.0	U= .002 / 5.5	V= 3.653 / 2.0	W= .000017 / 11.5	T= .001 / 9.2
LAT= 6.0	U= .428 / 5.1	V= 3.422 / 2.1	W= .018298 / 11.3	T= 1.538 / 8.2
LAT= 12.0	U= .884 / 5.1	V= 2.783 / 2.3	W= .034373 / 11.4	T= 2.911 / 8.3
LAT= 18.0	U= 1.384 / 5.0	V= 1.928 / 2.9	W= .046404 / 11.5	T= 3.978 / 8.4
LAT= 24.0	U= 1.929 / 4.9	V= 1.353 / 4.3	W= .053291 / 11.7	T= 4.644 / 8.6
LAT= 30.0	U= 2.489 / 4.8	V= 1.740 / 6.0	W= .054855 / 11.8	T= 4.880 / 8.8
LAT= 36.0	U= 3.002 / 4.8	V= 2.574 / 6.8	W= .051749 / .1	T= 4.713 / 9.0
LAT= 42.0	U= 3.397 / 4.8	V= 3.300 / 7.2	W= .045210 / .3	T= 4.221 / 9.2
LAT= 48.0	U= 3.639 / 4.9	V= 3.749 / 7.5	W= .036841 / .6	T= 3.527 / 9.4
LAT= 54.0	U= 3.693 / 5.0	V= 3.872 / 7.8	W= .028165 / .9	T= 2.766 / 9.7
LAT= 60.0	U= 3.569 / 5.1	V= 3.682 / 8.0	W= .020356 / 1.2	T= 2.047 / 9.9
LAT= 66.0	U= 3.148 / 5.2	V= 3.229 / 8.2	W= .013549 / 1.6	T= 1.378 / 10.2
LAT= 72.0	U= 2.657 / 5.3	V= 2.583 / 8.4	W= .008502 / 1.5	T= .847 / 10.1
LAT= 78.0	U= 1.833 / 5.3	V= 1.782 / 8.7	W= .003226 / .9	T= .316 / 9.7
LAT= 84.0	U= .886 / 5.7	V= .972 / 9.4	W= .000524 / 10.7	T= .035 / 8.2

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 800$ K										
$Z = 181.310$ KM										
LAT= 0.0	U=	.002 / 4.6	V=	3.243 / .6	W=	.000021 / 11.0	T=	.001 / 8.8		
LAT= 6.0	U=	.380 / 3.7	V=	3.051 / .7	W=	.019600 / 10.1	T=	1.304 / 7.0		
LAT= 12.0	U=	.779 / 3.7	V=	2.513 / .8	W=	.036989 / 10.2	T=	2.472 / 7.1		
LAT= 18.0	U=	1.203 / 3.6	V=	1.752 / 1.3	W=	.050320 / 10.3	T=	3.392 / 7.3		
LAT= 24.0	U=	1.650 / 3.6	V=	1.067 / 2.5	W=	.058418 / 10.5	T=	3.985 / 7.4		
LAT= 30.0	U=	2.102 / 3.6	V=	1.161 / 4.5	W=	.060990 / 10.7	T=	4.229 / 7.6		
LAT= 36.0	U=	2.515 / 3.6	V=	1.854 / 5.5	W=	.058603 / 10.9	T=	4.147 / 7.8		
LAT= 42.0	U=	2.833 / 3.7	V=	2.524 / 6.0	W=	.052391 / 11.2	T=	3.788 / 8.0		
LAT= 48.0	U=	3.041 / 3.7	V=	2.987 / 6.3	W=	.043841 / 11.4	T=	3.231 / 8.3		
LAT= 54.0	U=	3.125 / 3.8	V=	3.185 / 6.6	W=	.034470 / 11.7	T=	2.583 / 8.5		
LAT= 60.0	U=	3.075 / 3.9	V=	3.108 / 6.8	W=	.025607 / .0	T=	1.949 / 8.7		
LAT= 66.0	U=	2.763 / 4.0	V=	2.782 / 7.0	W=	.017405 / .3	T=	1.335 / 8.9		
LAT= 72.0	U=	2.332 / 4.1	V=	2.259 / 7.2	W=	.010512 / .2	T=	.800 / 8.8		
LAT= 78.0	U=	1.591 / 4.1	V=	1.585 / 7.5	W=	.003426 / 11.7	T=	.292 / 8.6		
LAT= 84.0	U=	.788 / 4.5	V=	.925 / 8.3	W=	.000129 / 6.8	T=	.035 / 9.1		
$Z = 209.865$ KM										
LAT= 0.0	U=	.002 / 4.0	V=	2.986 / 11.4	W=	.000024 / 10.3	T=	.001 / 8.6		
LAT= 6.0	U=	.322 / 2.4	V=	2.831 / 11.4	W=	.021227 / 9.1	T=	1.127 / 6.1		
LAT= 12.0	U=	.661 / 2.4	V=	2.358 / 11.6	W=	.040119 / 9.2	T=	2.139 / 6.2		
LAT= 18.0	U=	1.023 / 2.4	V=	1.732 / 11.9	W=	.054764 / 9.3	T=	2.945 / 6.4		
LAT= 24.0	U=	1.401 / 2.4	V=	1.019 / .6	W=	.063598 / 9.5	T=	3.484 / 6.6		
LAT= 30.0	U=	1.781 / 2.4	V=	.726 / 2.7	W=	.067496 / 9.7	T=	3.732 / 6.8		
LAT= 36.0	U=	2.131 / 2.5	V=	1.217 / 4.2	W=	.065802 / 9.9	T=	3.715 / 7.0		
LAT= 42.0	U=	2.397 / 2.5	V=	1.821 / 4.8	W=	.059964 / 10.2	T=	3.461 / 7.2		
LAT= 48.0	U=	2.560 / 2.6	V=	2.285 / 5.2	W=	.051341 / 10.4	T=	3.011 / 7.4		
LAT= 54.0	U=	2.635 / 2.7	V=	2.541 / 5.5	W=	.041355 / 10.7	T=	2.449 / 7.6		
LAT= 60.0	U=	2.623 / 2.8	V=	2.561 / 5.7	W=	.031505 / 10.9	T=	1.880 / 7.7		
LAT= 66.0	U=	2.389 / 2.9	V=	2.345 / 5.9	W=	.021984 / 11.1	T=	1.311 / 7.9		
LAT= 72.0	U=	2.012 / 2.9	V=	1.927 / 6.1	W=	.013245 / 11.0	T=	.779 / 7.8		
LAT= 78.0	U=	1.354 / 3.0	V=	1.356 / 6.4	W=	.004327 / 10.7	T=	.282 / 7.6		
LAT= 84.0	U=	.672 / 3.4	V=	.792 / 7.1	W=	.000084 / 3.6	T=	.045 / 8.6		
$Z = 240.988$ KM										
LAT= 0.0	U=	.002 / 3.5	V=	2.908 / 10.4	W=	.000027 / 9.6	T=	.001 / 8.6		
LAT= 6.0	U=	.258 / 1.3	V=	2.775 / 10.4	W=	.023252 / 8.3	T=	1.030 / 5.6		
LAT= 12.0	U=	.534 / 1.3	V=	2.394 / 10.6	W=	.043586 / 8.3	T=	1.955 / 5.7		
LAT= 18.0	U=	.841 / 1.3	V=	1.821 / 10.8	W=	.058892 / 8.5	T=	2.693 / 5.9		
LAT= 24.0	U=	1.167 / 1.4	V=	1.156 / 11.3	W=	.068298 / 8.7	T=	3.198 / 6.1		
LAT= 30.0	U=	1.501 / 1.4	V=	.647 / .8	W=	.071892 / 8.9	T=	3.450 / 6.3		
LAT= 36.0	U=	1.821 / 1.5	V=	.833 / 2.9	W=	.070418 / 9.1	T=	3.471 / 6.5		
LAT= 42.0	U=	2.066 / 1.5	V=	1.347 / 3.8	W=	.064692 / 9.4	T=	3.281 / 6.7		
LAT= 48.0	U=	2.201 / 1.6	V=	1.790 / 4.2	W=	.056524 / 9.6	T=	2.900 / 6.9		
LAT= 54.0	U=	2.258 / 1.8	V=	2.073 / 4.5	W=	.046509 / 9.9	T=	2.388 / 7.1		
LAT= 60.0	U=	2.269 / 1.9	V=	2.158 / 4.7	W=	.036242 / 10.1	T=	1.855 / 7.2		
LAT= 66.0	U=	2.103 / 2.0	V=	2.026 / 4.9	W=	.025932 / 10.3	T=	1.316 / 7.3		
LAT= 72.0	U=	1.780 / 2.0	V=	1.691 / 5.1	W=	.015863 / 10.1	T=	.786 / 7.1		
LAT= 78.0	U=	1.198 / 2.0	V=	1.201 / 5.4	W=	.005574 / 10.0	T=	.296 / 7.0		
LAT= 84.0	U=	.595 / 2.4	V=	.693 / 6.1	W=	.000661 / 11.3	T=	.056 / 7.7		
$Z = 272.801$ KM										
LAT= 0.0	U=	.001 / 3.1	V=	2.955 / 9.7	W=	.000030 / 9.0	T=	.001 / 8.6		
LAT= 6.0	U=	.212 / .3	V=	2.827 / 9.7	W=	.025245 / 7.7	T=	.990 / 5.2		
LAT= 12.0	U=	.443 / .3	V=	2.466 / 9.9	W=	.046836 / 7.8	T=	1.875 / 5.4		
LAT= 18.0	U=	.708 / .4	V=	1.925 / 10.1	W=	.062438 / 7.9	T=	2.580 / 5.6		
LAT= 24.0	U=	1.001 / .5	V=	1.234 / 10.6	W=	.071611 / 8.1	T=	3.068 / 5.8		
LAT= 30.0	U=	1.313 / .6	V=	.742 / 11.7	W=	.075041 / 8.3	T=	3.320 / 6.0		
LAT= 36.0	U=	1.630 / .7	V=	.633 / 1.8	W=	.073686 / 8.5	T=	3.363 / 6.2		
LAT= 42.0	U=	1.880 / .8	V=	1.096 / 2.9	W=	.068405 / 8.8	T=	3.209 / 6.4		
LAT= 48.0	U=	2.006 / .9	V=	1.565 / 3.5	W=	.060297 / 9.1	T=	2.865 / 6.8		
LAT= 54.0	U=	2.047 / 1.0	V=	1.799 / 3.8	W=	.050371 / 9.3	T=	2.380 / 6.8		
LAT= 60.0	U=	2.068 / 1.2	V=	1.926 / 4.0	W=	.039813 / 9.5	T=	1.863 / 6.9		
LAT= 66.0	U=	1.949 / 1.3	V=	1.850 / 4.2	W=	.028814 / 9.7	T=	1.326 / 4.0		
LAT= 72.0	U=	1.661 / 1.2	V=	1.573 / 4.4	W=	.017674 / 9.6	T=	.802 / 6.8		
LAT= 78.0	U=	1.128 / 1.3	V=	1.133 / 4.6	W=	.006404 / 9.6	T=	.313 / 6.7		
LAT= 84.0	U=	.567 / 1.6	V=	.659 / 5.2	W=	.001442 / 11.0	T=	.069 / 7.2		

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 800$ K										
Z = 304.762 KM										
LAT= 0.0	U=	.001 / 2.8	V=	3.060 / 9.2	W=	.000035 / 8.6	T=	.001 / 8.6		
LAT= 6.0	U=	.196 / 11.4	V=	2.929 / 9.3	W=	.026680 / 7.3	T=	.979 / 5.0		
LAT= 12.0	U=	.410 / 11.5	V=	2.563 / 9.4	W=	.049200 / 7.4	T=	1.850 / 5.2		
LAT= 18.0	U=	.655 / 11.7	V=	2.023 / 9.6	W=	.065074 / 7.5	T=	2.543 / 5.4		
LAT= 24.0	U=	.937 / 11.8	V=	1.401 / 10.1	W=	.074170 / 7.7	T=	3.023 / 5.6		
LAT= 30.0	U=	1.246 / .0	V=	.843 / 11.0	W=	.077599 / 7.9	T=	3.277 / 5.9		
LAT= 36.0	U=	1.574 / .1	V=	.685 / .9	W=	.076373 / 8.1	T=	3.331 / 6.1		
LAT= 42.0	U=	1.842 / .2	V=	1.002 / 2.3	W=	.071170 / 8.4	T=	3.197 / 6.3		
LAT= 48.0	U=	1.970 / .3	V=	1.388 / 2.9	W=	.063090 / 8.7	T=	2.871 / 6.4		
LAT= 54.0	U=	1.999 / .5	V=	1.691 / 3.3	W=	.053123 / 8.9	T=	2.397 / 6.6		
LAT= 60.0	U=	2.018 / .6	V=	1.844 / 3.5	W=	.042241 / 9.1	T=	1.884 / 6.7		
LAT= 66.0	U=	1.917 / .8	V=	1.802 / 3.7	W=	.030591 / 9.3	T=	1.358 / 6.8		
LAT= 72.0	U=	1.641 / .7	V=	1.551 / 3.8	W=	.018616 / 9.2	T=	.819 / 6.6		
LAT= 78.0	U=	1.120 / .7	V=	1.129 / 4.1	W=	.006697 / 9.4	T=	.327 / 6.5		
LAT= 84.0	U=	.571 / 1.1	V=	.665 / 4.7	W=	.002028 / 10.9	T=	.080 / 6.9		
Z = 336.754 KM										
LAT= 0.0	U=	.001 / 2.5	V=	3.173 / 8.9	W=	.000039 / 8.3	T=	.001 / 8.6		
LAT= 6.0	U=	.201 / 10.8	V=	3.039 / 9.0	W=	.027316 / 7.0	T=	.983 / 4.9		
LAT= 12.0	U=	.415 / 11.0	V=	2.663 / 9.1	W=	.050293 / 7.1	T=	1.854 / 5.1		
LAT= 18.0	U=	.659 / 11.1	V=	2.116 / 9.4	W=	.066384 / 7.2	T=	2.546 / 5.3		
LAT= 24.0	U=	.943 / 11.3	V=	1.490 / 9.8	W=	.075551 / 7.4	T=	3.028 / 5.5		
LAT= 30.0	U=	1.260 / 11.5	V=	.927 / 10.7	W=	.079068 / 7.6	T=	3.286 / 5.8		
LAT= 36.0	U=	1.607 / 11.7	V=	.719 / .4	W=	.077897 / 7.8	T=	3.345 / 6.0		
LAT= 42.0	U=	1.893 / 11.8	V=	.990 / 1.8	W=	.072579 / 8.1	T=	3.220 / 6.2		
LAT= 48.0	U=	2.026 / .0	V=	1.369 / 2.5	W=	.064359 / 8.4	T=	2.903 / 6.3		
LAT= 54.0	U=	2.046 / .2	V=	1.681 / 2.9	W=	.054338 / 8.7	T=	2.429 / 6.5		
LAT= 60.0	U=	2.058 / .3	V=	1.855 / 3.2	W=	.043274 / 8.9	T=	1.914 / 6.6		
LAT= 66.0	U=	1.960 / .4	V=	1.830 / 3.3	W=	.031206 / 9.1	T=	1.383 / 6.7		
LAT= 72.0	U=	1.676 / .4	V=	1.584 / 3.5	W=	.018762 / 9.0	T=	.836 / 6.5		
LAT= 78.0	U=	1.146 / .4	V=	1.157 / 3.7	W=	.006546 / 9.2	T=	.338 / 6.4		
LAT= 84.0	U=	.589 / .8	V=	.687 / 4.3	W=	.002387 / 10.8	T=	.086 / 6.8		
Z = 369.753 KM										
LAT= 0.0	U=	.001 / 2.4	V=	3.273 / 8.7	W=	.000044 / 8.1	T=	.001 / 8.6		
LAT= 6.0	U=	.213 / 10.5	V=	3.136 / 8.8	W=	.027157 / 6.8	T=	.995 / 4.9		
LAT= 12.0	U=	.437 / 10.6	V=	2.734 / 8.9	W=	.050045 / 6.9	T=	1.876 / 5.0		
LAT= 18.0	U=	.687 / 10.8	V=	2.200 / 9.2	W=	.066125 / 7.0	T=	2.574 / 5.2		
LAT= 24.0	U=	.981 / 11.1	V=	1.567 / 9.6	W=	.075307 / 7.2	T=	3.061 / 5.5		
LAT= 30.0	U=	1.310 / 11.3	V=	.993 / 10.5	W=	.078850 / 7.4	T=	3.324 / 5.7		
LAT= 36.0	U=	1.673 / 11.5	V=	.760 / .1	W=	.077601 / 7.6	T=	3.388 / 6.0		
LAT= 42.0	U=	1.973 / 11.6	V=	1.011 / 1.6	W=	.072040 / 7.9	T=	3.266 / 6.1		
LAT= 48.0	U=	2.112 / 11.8	V=	1.389 / 2.3	W=	.063637 / 8.2	T=	2.949 / 6.3		
LAT= 54.0	U=	2.125 / 11.9	V=	1.714 / 2.7	W=	.053678 / 8.5	T=	2.472 / 6.4		
LAT= 60.0	U=	2.131 / .1	V=	1.903 / 3.0	W=	.042719 / 8.7	T=	1.949 / 6.5		
LAT= 66.0	U=	2.029 / .2	V=	1.886 / 3.2	W=	.030625 / 8.9	T=	1.410 / 6.6		
LAT= 72.0	U=	1.732 / .2	V=	1.635 / 3.3	W=	.018191 / 8.8	T=	.853 / 6.4		
LAT= 78.0	U=	1.182 / .2	V=	1.195 / 3.5	W=	.006071 / 9.1	T=	.347 / 6.4		
LAT= 84.0	U=	.609 / .6	V=	.710 / 4.1	W=	.002547 / 10.8	T=	.091 / 6.7		
Z = 400.753 KM										
LAT= 0.0	U=	.001 / 2.3	V=	3.355 / 8.6	W=	.000047 / 7.9	T=	.001 / 8.6		
LAT= 6.0	U=	.224 / 10.3	V=	3.218 / 8.7	W=	.026297 / 6.7	T=	1.011 / 4.8		
LAT= 12.0	U=	.459 / 10.5	V=	2.832 / 8.8	W=	.040547 / 6.7	T=	1.906 / 5.0		
LAT= 18.0	U=	.719 / 10.7	V=	2.270 / 9.1	W=	.064283 / 6.8	T=	2.617 / 5.2		
LAT= 24.0	U=	1.022 / 10.9	V=	1.628 / 9.5	W=	.073298 / 7.0	T=	3.111 / 5.5		
LAT= 30.0	U=	1.363 / 11.1	V=	1.041 / 10.4	W=	.076736 / 7.2	T=	3.377 / 5.7		
LAT= 36.0	U=	1.738 / 11.4	V=	.793 / .0	W=	.075294 / 7.4	T=	3.444 / 5.9		
LAT= 42.0	U=	2.051 / 11.5	V=	1.038 / 1.4	W=	.069428 / 7.7	T=	3.324 / 6.1		
LAT= 48.0	U=	2.193 / 11.7	V=	1.422 / 2.2	W=	.060871 / 8.0	T=	3.002 / 6.3		
LAT= 54.0	U=	2.203 / 11.8	V=	1.758 / 2.6	W=	.051135 / 8.3	T=	2.519 / 6.4		
LAT= 60.0	U=	2.274 / .0	V=	1.956 / 2.9	W=	.040599 / 8.5	T=	1.967 / 6.5		
LAT= 66.0	U=	2.096 / .1	V=	1.943 / 3.1	W=	.028916 / 8.8	T=	1.438 / 6.6		
LAT= 72.0	U=	1.787 / .1	V=	1.686 / 3.2	W=	.016999 / 8.6	T=	.871 / 6.4		
LAT= 78.0	U=	1.218 / .1	V=	1.231 / 3.4	W=	.005373 / 9.0	T=	.355 / 6.4		
LAT= 84.0	U=	.629 / .5	V=	.731 / 4.0	W=	.002551 / 10.9	T=	.095 / 6.7		

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

Z= 81.010 KM										$T_0 = 1000$ K	
LAT= 0.0	U=	0.000 / 11.0	V=	.313 / 1.6	W=	0.000000 / 7.9	T=	0.000 / 4.7			
LAT= 6.0	U=	.029 / 4.5	V=	.273 / 1.6	W=	.000963 / 10.6	T=	.071 / 8.3			
LAT= 12.0	U=	.071 / 4.6	V=	.162 / 1.5	W=	.001707 / 10.6	T=	.126 / 8.3			
LAT= 18.0	U=	.129 / 4.6	V=	.023 / 11.9	W=	.002094 / 10.6	T=	.156 / 8.3			
LAT= 24.0	U=	.197 / 4.6	V=	.133 / 7.9	W=	.002105 / 10.6	T=	.157 / 8.3			
LAT= 30.0	U=	.256 / 4.5	V=	.245 / 7.7	W=	.001830 / 10.6	T=	.138 / 8.3			
LAT= 36.0	U=	.297 / 4.4	V=	.312 / 7.5	W=	.001405 / 10.5	T=	.108 / 8.3			
LAT= 42.0	U=	.312 / 4.4	V=	.334 / 7.4	W=	.000961 / 10.5	T=	.075 / 8.3			
LAT= 48.0	U=	.302 / 4.3	V=	.322 / 7.3	W=	.000586 / 10.4	T=	.047 / 8.2			
LAT= 54.0	U=	.274 / 4.1	V=	.288 / 7.2	W=	.000315 / 10.4	T=	.025 / 8.2			
LAT= 60.0	U=	.235 / 4.0	V=	.244 / 7.0	W=	.000146 / 10.2	T=	.011 / 8.1			
LAT= 66.0	U=	.190 / 4.0	V=	.194 / 7.0	W=	.000052 / 10.2	T=	.005 / 8.1			
LAT= 72.0	U=	.143 / 3.9	V=	.143 / 6.9	W=	.000019 / 9.4	T=	.001 / 7.8			
LAT= 78.0	U=	.093 / 3.8	V=	.095 / 6.9	W=	.000009 / 5.9	T=	0.000 / 4.7			
LAT= 84.0	U=	.047 / 3.8	V=	.048 / 7.0	W=	.000003 / 6.2	T=	0.000 / 4.8			
Z= 84.009 KM											
LAT= 0.0	U=	0.000 / 10.9	V=	.353 / .4	W=	0.000000 / 7.8	T=	0.000 / 4.7			
LAT= 6.0	U=	.036 / 3.6	V=	.313 / .5	W=	.001355 / 10.3	T=	.114 / 7.8			
LAT= 12.0	U=	.084 / 3.5	V=	.206 / .7	W=	.002410 / 10.3	T=	.203 / 7.8			
LAT= 18.0	U=	.148 / 3.5	V=	.061 / 1.6	W=	.002972 / 10.3	T=	.251 / 7.8			
LAT= 24.0	U=	.227 / 3.5	V=	.123 / 5.9	W=	.003011 / 10.3	T=	.254 / 7.8			
LAT= 30.0	U=	.310 / 3.6	V=	.270 / 6.4	W=	.002641 / 10.3	T=	.222 / 7.8			
LAT= 36.0	U=	.379 / 3.7	V=	.385 / 6.6	W=	.002049 / 10.2	T=	.173 / 7.9			
LAT= 42.0	U=	.428 / 3.8	V=	.452 / 6.7	W=	.001418 / 10.2	T=	.119 / 7.9			
LAT= 48.0	U=	.444 / 3.9	V=	.472 / 6.9	W=	.000874 / 10.2	T=	.074 / 7.9			
LAT= 54.0	U=	.429 / 4.0	V=	.451 / 7.0	W=	.000476 / 10.2	T=	.039 / 8.0			
LAT= 60.0	U=	.385 / 4.0	V=	.400 / 7.0	W=	.000222 / 10.1	T=	.018 / 8.0			
LAT= 66.0	U=	.322 / 4.1	V=	.327 / 7.1	W=	.000079 / 10.1	T=	.006 / 8.3			
LAT= 72.0	U=	.246 / 4.1	V=	.246 / 7.1	W=	.000030 / 9.3	T=	.003 / 7.6			
LAT= 78.0	U=	.164 / 4.2	V=	.164 / 7.1	W=	.000011 / 3.9	T=	.001 / .6			
LAT= 84.0	U=	.081 / 4.2	V=	.080 / 7.1	W=	.000003 / 3.4	T=	0.000 / .4			
Z= 87.062 KM											
LAT= 0.0	U=	0.000 / 10.8	V=	.484 / 11.7	W=	0.000000 / 7.8	T=	0.000 / 4.7			
LAT= 6.0	U=	.051 / 2.8	V=	.434 / 11.7	W=	.001772 / 10.2	T=	.168 / 7.5			
LAT= 12.0	U=	.115 / 2.7	V=	.296 / 11.8	W=	.003174 / 10.1	T=	.299 / 7.5			
LAT= 18.0	U=	.204 / 2.7	V=	.099 / .5	W=	.003964 / 10.1	T=	.373 / 7.5			
LAT= 24.0	U=	.315 / 2.7	V=	.146 / 5.2	W=	.004094 / 10.0	T=	.383 / 7.4			
LAT= 30.0	U=	.435 / 2.8	V=	.364 / 5.6	W=	.003688 / 9.9	T=	.343 / 7.4			
LAT= 36.0	U=	.547 / 2.9	V=	.543 / 5.8	W=	.002964 / 9.8	T=	.273 / 7.3			
LAT= 42.0	U=	.628 / 2.9	V=	.660 / 5.9	W=	.002150 / 9.7	T=	.195 / 7.3			
LAT= 48.0	U=	.665 / 3.0	V=	.706 / 6.0	W=	.001407 / 9.6	T=	.124 / 7.2			
LAT= 54.0	U=	.654 / 3.1	V=	.687 / 6.1	W=	.000829 / 9.5	T=	.071 / 7.1			
LAT= 60.0	U=	.595 / 3.1	V=	.617 / 6.1	W=	.000434 / 9.3	T=	.036 / 7.0			
LAT= 66.0	U=	.504 / 3.2	V=	.511 / 6.2	W=	.000184 / 9.2	T=	.014 / 7.0			
LAT= 72.0	U=	.386 / 3.2	V=	.388 / 6.2	W=	.000086 / 8.8	T=	.006 / 6.4			
LAT= 78.0	U=	.264 / 3.3	V=	.258 / 6.2	W=	.000027 / 7.7	T=	.001 / 5.5			
LAT= 84.0	U=	.129 / 3.3	V=	.123 / 6.2	W=	.000004 / 7.8	T=	0.000 / 7.6			
Z= 90.176 KM											
LAT= 0.0	U=	0.000 / 10.7	V=	.834 / 11.4	W=	0.000000 / 7.7	T=	0.000 / 4.7			
LAT= 6.0	U=	.080 / 2.3	V=	.732 / 11.4	W=	.002330 / 9.9	T=	.235 / 7.3			
LAT= 12.0	U=	.192 / 2.4	V=	.457 / 11.3	W=	.004165 / 9.9	T=	.420 / 7.3			
LAT= 18.0	U=	.346 / 2.4	V=	.099 / 10.1	W=	.005188 / 9.8	T=	.522 / 7.2			
LAT= 24.0	U=	.529 / 2.4	V=	.320 / 5.8	W=	.005343 / 9.7	T=	.537 / 7.1			
LAT= 30.0	U=	.706 / 2.3	V=	.642 / 5.5	W=	.004808 / 9.6	T=	.481 / 7.1			
LAT= 36.0	U=	.841 / 2.2	V=	.862 / 5.3	W=	.003876 / 9.5	T=	.385 / 7.0			
LAT= 42.0	U=	.914 / 2.1	V=	.967 / 5.2	W=	.002831 / 9.4	T=	.278 / 6.8			
LAT= 48.0	U=	.918 / 2.1	V=	.975 / 5.1	W=	.001883 / 9.2	T=	.183 / 6.7			
LAT= 54.0	U=	.863 / 2.0	V=	.905 / 5.0	W=	.001136 / 9.0	T=	.108 / 6.5			
LAT= 60.0	U=	.759 / 1.9	V=	.787 / 4.9	W=	.000621 / 8.8	T=	.057 / 6.3			
LAT= 66.0	U=	.627 / 1.8	V=	.640 / 4.8	W=	.000280 / 8.6	T=	.025 / 6.2			
LAT= 72.0	U=	.476 / 1.8	V=	.478 / 4.8	W=	.000142 / 8.4	T=	.011 / 5.8			
LAT= 78.0	U=	.319 / 1.8	V=	.316 / 4.8	W=	.000062 / 7.2	T=	.005 / 4.6			
LAT= 84.0	U=	.157 / 1.8	V=	.154 / 4.9	W=	.000009 / 6.8	T=	.001 / 4.4			

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1000$ K									
Z = 93.363 KM									
LAT= 0.0	U=	0.000 / 10.7	V=	1.454 / 11.0	W=	0.000000 / 7.7	T=	0.000 / 4.7	
LAT= 6.0	U=	.128 / 1.9	V=	1.251 / 11.0	W=	.002890 / 9.3	T=	.305 / 6.9	
LAT= 12.0	U=	.321 / 2.0	V=	.712 / 10.8	W=	.005168 / 9.3	T=	.546 / 6.9	
LAT= 18.0	U=	.594 / 2.0	V=	.119 / 8.0	W=	.006437 / 9.4	T=	.680 / 6.9	
LAT= 24.0	U=	.898 / 2.0	V=	.681 / 5.3	W=	.006619 / 9.4	T=	.701 / 6.8	
LAT= 30.0	U=	1.156 / 1.9	V=	1.155 / 5.1	W=	.005929 / 9.4	T=	.628 / 6.8	
LAT= 36.0	U=	1.301 / 1.8	V=	1.390 / 4.9	W=	.004734 / 9.4	T=	.503 / 6.8	
LAT= 42.0	U=	1.317 / 1.6	V=	1.415 / 4.7	W=	.003401 / 9.4	T=	.363 / 6.8	
LAT= 48.0	U=	1.228 / 1.4	V=	1.305 / 4.5	W=	.002203 / 9.4	T=	.235 / 6.7	
LAT= 54.0	U=	1.080 / 1.2	V=	1.131 / 4.2	W=	.001277 / 9.4	T=	.137 / 6.7	
LAT= 60.0	U=	.907 / 1.0	V=	.939 / 4.0	W=	.000654 / 9.4	T=	.070 / 6.6	
LAT= 66.0	U=	.728 / .8	V=	.747 / 3.8	W=	.000263 / 9.5	T=	.029 / 6.6	
LAT= 72.0	U=	.557 / .7	V=	.558 / 3.7	W=	.000118 / 9.3	T=	.013 / 6.3	
LAT= 78.0	U=	.363 / .6	V=	.369 / 3.7	W=	.000020 / 8.3	T=	.003 / 4.8	
LAT= 84.0	U=	.183 / .6	V=	.187 / 3.7	W=	.000005 / 11.0	T=	0.000 / 7.1	
Z = 95.638 KM									
LAT= 0.0	U=	0.000 / 11.8	V=	2.103 / 10.4	W=	.000001 / 7.7	T=	0.000 / 4.7	
LAT= 6.0	U=	.192 / 1.5	V=	1.819 / 10.4	W=	.003260 / 8.5	T=	.354 / 6.3	
LAT= 12.0	U=	.468 / 1.5	V=	1.057 / 10.4	W=	.005846 / 8.5	T=	.637 / 6.3	
LAT= 18.0	U=	.854 / 1.4	V=	.049 / 10.7	W=	.007341 / 8.7	T=	.802 / 6.4	
LAT= 24.0	U=	1.288 / 1.4	V=	.928 / 4.4	W=	.007689 / 8.9	T=	.839 / 6.5	
LAT= 30.0	U=	1.665 / 1.4	V=	1.655 / 4.5	W=	.007124 / 9.1	T=	.768 / 6.6	
LAT= 36.0	U=	1.888 / 1.4	V=	2.036 / 4.5	W=	.006001 / 9.4	T=	.631 / 6.8	
LAT= 42.0	U=	1.916 / 1.4	V=	2.088 / 4.4	W=	.004647 / 9.6	T=	.468 / 6.9	
LAT= 48.0	U=	1.774 / 1.4	V=	1.907 / 4.4	W=	.003306 / 9.9	T=	.315 / 7.1	
LAT= 54.0	U=	1.524 / 1.4	V=	1.607 / 4.4	W=	.002142 / 10.2	T=	.190 / 7.2	
LAT= 60.0	U=	1.230 / 1.3	V=	1.279 / 4.3	W=	.001245 / 10.5	T=	.100 / 7.4	
LAT= 66.0	U=	.943 / 1.2	V=	.972 / 4.2	W=	.000645 / 11.0	T=	.046 / 7.8	
LAT= 72.0	U=	.687 / 1.1	V=	.699 / 4.1	W=	.000325 / 11.4	T=	.019 / 7.9	
LAT= 78.0	U=	.438 / 1.0	V=	.452 / 4.0	W=	.000175 / 11.8	T=	.008 / 8.6	
LAT= 84.0	U=	.222 / 1.0	V=	.226 / 3.9	W=	.000043 / 10.9	T=	.003 / 8.0	
Z = 100.017 KM									
LAT= 0.0	U=	0.000 / .3	V=	2.359 / 9.9	W=	.000001 / 7.6	T=	0.000 / 4.8	
LAT= 6.0	U=	.242 / 1.0	V=	2.095 / 9.9	W=	.003552 / 7.6	T=	.382 / 5.6	
LAT= 12.0	U=	.555 / 1.0	V=	1.374 / 10.1	W=	.006407 / 7.7	T=	.701 / 5.7	
LAT= 18.0	U=	.970 / .9	V=	.425 / 11.1	W=	.008154 / 7.9	T=	.911 / 5.8	
LAT= 24.0	U=	1.461 / 1.0	V=	.808 / 3.3	W=	.008760 / 8.2	T=	1.000 / 6.0	
LAT= 30.0	U=	1.958 / 1.0	V=	1.753 / 3.8	W=	.008464 / 8.6	T=	.973 / 6.2	
LAT= 36.0	U=	2.378 / 1.2	V=	2.464 / 4.1	W=	.007555 / 8.9	T=	.859 / 6.4	
LAT= 42.0	U=	2.652 / 1.3	V=	2.871 / 4.2	W=	.006261 / 9.3	T=	.689 / 6.7	
LAT= 48.0	U=	2.739 / 1.4	V=	2.972 / 4.4	W=	.004779 / 9.7	T=	.501 / 6.9	
LAT= 54.0	U=	2.632 / 1.5	V=	2.813 / 4.5	W=	.003319 / 10.1	T=	.329 / 7.2	
LAT= 60.0	U=	2.354 / 1.6	V=	2.466 / 4.6	W=	.002072 / 10.4	T=	.190 / 7.4	
LAT= 66.0	U=	1.954 / 1.7	V=	2.006 / 4.6	W=	.001169 / 11.0	T=	.099 / 7.9	
LAT= 72.0	U=	1.491 / 1.7	V=	1.495 / 4.7	W=	.000651 / 11.4	T=	.051 / 8.3	
LAT= 78.0	U=	.981 / 1.7	V=	.976 / 4.7	W=	.000391 / 11.6	T=	.027 / 8.5	
LAT= 84.0	U=	.486 / 1.7	V=	.471 / 4.7	W=	.000088 / 10.5	T=	.006 / 7.5	
Z = 103.521 KM									
LAT= 0.0	U=	.001 / .3	V=	2.819 / 9.6	W=	.000003 / 7.4	T=	0.000 / 4.6	
LAT= 6.0	U=	.316 / .7	V=	2.561 / 9.7	W=	.004020 / 7.0	T=	.457 / 5.1	
LAT= 12.0	U=	.695 / .7	V=	1.831 / 9.8	W=	.007385 / 7.1	T=	.853 / 5.2	
LAT= 18.0	U=	1.185 / .7	V=	.774 / 10.5	W=	.009632 / 7.2	T=	1.138 / 5.3	
LAT= 24.0	U=	1.796 / .7	V=	.727 / 2.7	W=	.010595 / 7.5	T=	1.283 / 5.4	
LAT= 30.0	U=	2.487 / .8	V=	2.013 / 3.5	W=	.010369 / 7.7	T=	1.283 / 5.6	
LAT= 36.0	U=	3.176 / .9	V=	3.181 / 3.8	W=	.009216 / 8.1	T=	1.157 / 5.8	
LAT= 42.0	U=	3.749 / 1.0	V=	4.030 / 3.9	W=	.007477 / 8.4	T=	.944 / 6.0	
LAT= 48.0	U=	4.086 / 1.1	V=	4.452 / 4.1	W=	.005527 / 8.8	T=	.695 / 6.3	
LAT= 54.0	U=	4.119 / 1.2	V=	4.430 / 4.2	W=	.003707 / 9.2	T=	.459 / 6.6	
LAT= 60.0	U=	3.830 / 1.3	V=	4.033 / 4.3	W=	.002253 / 9.7	T=	.270 / 6.9	
LAT= 66.0	U=	3.274 / 1.3	V=	3.369 / 4.3	W=	.001261 / 10.4	T=	.142 / 7.5	
LAT= 72.0	U=	2.553 / 1.4	V=	2.556 / 4.4	W=	.000728 / 11.0	T=	.076 / 7.9	
LAT= 78.0	U=	1.769 / 1.4	V=	1.685 / 4.4	W=	.000495 / 11.1	T=	.046 / 8.2	
LAT= 84.0	U=	.844 / 1.4	V=	.815 / 4.4	W=	.000118 / 10.0	T=	.010 / 7.1	

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 1000 K

Z = 107.177 KM

LAT= 0.0	U= .001 / 12.0	V= 4.014 / 9.2	W= .000004 / 6.8	T= 0.000 / 4.2
LAT= 6.0	U= .454 / .3	V= 3.651 / 9.3	W= .005207 / 6.1	T= .652 / 4.3
LAT= 12.0	U= .999 / .3	V= 2.614 / 9.4	W= .009623 / 6.2	T= 1.216 / 4.3
LAT= 18.0	U= 1.694 / .3	V= 1.080 / 9.8	W= .012628 / 6.3	T= 1.619 / 4.4
LAT= 24.0	U= 2.549 / .3	V= .958 / 2.4	W= .013896 / 6.5	T= 1.815 / 4.5
LAT= 30.0	U= 3.503 / .3	V= 2.802 / 3.0	W= .013444 / 6.6	T= 1.794 / 4.6
LAT= 36.0	U= 4.431 / .3	V= 4.430 / 3.1	W= .011623 / 6.9	T= 1.590 / 4.8
LAT= 42.0	U= 5.179 / .4	V= 5.579 / 3.3	W= .009001 / 7.1	T= 1.268 / 5.0
LAT= 48.0	U= 5.598 / .4	V= 6.122 / 3.4	W= .006221 / 7.5	T= .907 / 5.2
LAT= 54.0	U= 5.603 / .5	V= 6.057 / 3.4	W= .003826 / 7.9	T= .581 / 5.6
LAT= 60.0	U= 5.187 / .5	V= 5.489 / 3.5	W= .002108 / 8.5	T= .335 / 6.0
LAT= 66.0	U= 4.415 / .6	V= 4.574 / 3.6	W= .001096 / 9.5	T= .175 / 6.8
LAT= 72.0	U= 3.437 / .6	V= 3.463 / 3.6	W= .000666 / 10.4	T= .099 / 7.5
LAT= 78.0	U= 2.329 / .7	V= 2.278 / 3.7	W= .000503 / 10.2	T= .066 / 7.3
LAT= 84.0	U= 1.143 / .7	V= 1.085 / 3.7	W= .000133 / 9.2	T= .018 / 6.3

Z = 111.019 KM

LAT= 0.0	U= .003 / 11.0	V= 5.118 / 8.5	W= .000005 / 6.0	T= .001 / 3.2
LAT= 6.0	U= .602 / 11.5	V= 4.666 / 8.5	W= .007119 / 5.1	T= .985 / 2.9
LAT= 12.0	U= 1.292 / 11.5	V= 3.388 / 8.6	W= .013109 / 5.2	T= 1.820 / 2.9
LAT= 18.0	U= 2.131 / 11.5	V= 1.551 / 9.2	W= .017089 / 5.2	T= 2.386 / 3.0
LAT= 24.0	U= 3.117 / 11.4	V= 1.169 / 1.0	W= .018623 / 5.3	T= 2.621 / 3.1
LAT= 30.0	U= 4.184 / 11.4	V= 3.261 / 1.9	W= .017787 / 5.5	T= 2.530 / 3.3
LAT= 36.0	U= 5.198 / 11.4	V= 5.150 / 2.1	W= .015121 / 5.6	T= 2.183 / 3.4
LAT= 42.0	U= 5.996 / 11.4	V= 6.461 / 2.3	W= .011453 / 5.8	T= 1.689 / 3.6
LAT= 48.0	U= 6.425 / 11.5	V= 7.061 / 2.4	W= .007668 / 6.0	T= 1.170 / 3.9
LAT= 54.0	U= 6.398 / 11.5	V= 6.964 / 2.5	W= .004485 / 6.4	T= .728 / 4.3
LAT= 60.0	U= 5.914 / 11.6	V= 6.299 / 2.6	W= .002254 / 6.9	T= .411 / 4.9
LAT= 66.0	U= 5.023 / 11.7	V= 5.249 / 2.7	W= .000999 / 7.9	T= .216 / 5.7
LAT= 72.0	U= 3.925 / 11.7	V= 3.976 / 2.7	W= .000577 / 9.1	T= .135 / 6.5
LAT= 78.0	U= 2.702 / 11.8	V= 2.608 / 2.8	W= .000472 / 8.7	T= .088 / 5.9
LAT= 84.0	U= 1.312 / 11.8	V= 1.212 / 2.9	W= .000131 / 7.6	T= .023 / 5.0

Z = 115.091 KM

LAT= 0.0	U= .004 / 9.9	V= 5.628 / 7.6	W= .000005 / 4.9	T= .001 / 2.1
LAT= 6.0	U= .678 / 10.6	V= 5.176 / 7.6	W= .009278 / 4.1	T= 1.392 / 1.6
LAT= 12.0	U= 1.419 / 10.6	V= 3.881 / 7.8	W= .017061 / 4.2	T= 2.555 / 1.6
LAT= 18.0	U= 2.259 / 10.5	V= 2.077 / 8.4	W= .022212 / 4.2	T= 3.316 / 1.7
LAT= 24.0	U= 3.202 / 10.5	V= 1.350 / 11.2	W= .024193 / 4.3	T= 3.598 / 1.8
LAT= 30.0	U= 4.192 / 10.4	V= 3.154 / .6	W= .023150 / 4.4	T= 3.429 / 1.9
LAT= 36.0	U= 5.121 / 10.4	V= 4.990 / 1.0	W= .019801 / 4.5	T= 2.925 / 2.1
LAT= 42.0	U= 5.848 / 10.5	V= 6.283 / 1.2	W= .015195 / 4.7	T= 2.245 / 2.3
LAT= 48.0	U= 6.239 / 10.5	V= 6.882 / 1.4	W= .010414 / 4.8	T= 1.551 / 2.5
LAT= 54.0	U= 6.211 / 10.6	V= 6.806 / 1.5	W= .006327 / 5.1	T= .967 / 2.9
LAT= 60.0	U= 5.759 / 10.7	V= 6.175 / 1.6	W= .003348 / 5.4	T= .548 / 3.4
LAT= 66.0	U= 4.901 / 10.8	V= 5.165 / 1.8	W= .001499 / 6.0	T= .287 / 4.1
LAT= 72.0	U= 3.873 / 10.9	V= 3.928 / 1.9	W= .000751 / 6.9	T= .178 / 4.8
LAT= 78.0	U= 2.704 / 10.9	V= 2.575 / 1.9	W= .000575 / 6.6	T= .108 / 4.2
LAT= 84.0	U= 1.299 / 10.9	V= 1.171 / 2.0	W= .000180 / 5.8	T= .030 / 3.0

Z = 119.451 KM

LAT= 0.0	U= .004 / 8.9	V= 5.688 / 6.7	W= .000005 / 3.7	T= .001 / 1.1
LAT= 6.0	U= .687 / 9.7	V= 5.258 / 6.8	W= .011409 / 3.3	T= 1.714 / .5
LAT= 12.0	U= 1.404 / 9.7	V= 4.061 / 7.0	W= .021025 / 3.3	T= 3.146 / .5
LAT= 18.0	U= 2.174 / 9.6	V= 2.439 / 7.6	W= .027486 / 3.4	T= 4.084 / .6
LAT= 24.0	U= 2.997 / 9.5	V= 1.584 / 9.7	W= .030143 / 3.5	T= 4.438 / .7
LAT= 30.0	U= 3.844 / 9.5	V= 2.874 / 11.4	W= .029162 / 3.5	T= 4.251 / .8
LAT= 36.0	U= 4.632 / 9.5	V= 4.475 / 11.9	W= .025376 / 3.6	T= 3.662 / 1.0
LAT= 42.0	U= 5.250 / 9.5	V= 5.635 / .2	W= .019997 / 3.8	T= 2.863 / 1.1
LAT= 48.0	U= 5.585 / 9.6	V= 6.184 / .4	W= .014275 / 3.9	T= 2.037 / 1.4
LAT= 54.0	U= 5.566 / 9.7	V= 5.132 / .6	W= .009232 / 4.2	T= 1.329 / 1.7
LAT= 60.0	U= 5.181 / 9.8	V= 5.582 / .7	W= .005371 / 4.4	T= .796 / 2.1
LAT= 66.0	U= 4.424 / 9.9	V= 4.687 / .9	W= .002747 / 4.9	T= .439 / 2.7
LAT= 72.0	U= 3.542 / 10.0	V= 3.576 / 1.0	W= .001523 / 5.4	T= .265 / 3.1
LAT= 78.0	U= 2.499 / 10.1	V= 2.344 / 1.1	W= .000939 / 5.1	T= .146 / 2.5
LAT= 84.0	U= 1.183 / 10.1	V= 1.048 / 1.3	W= .000298 / 4.2	T= .042 / 1.3

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1000$ K											
Z = 124.175 KM											
LAT= 0.0	U=	.004 / 8.1	V=	5.478 / 5.9	W=	.000006 / 2.6	T=	.001 / .4			
LAT= 6.0	U=	.665 / 8.9	V=	5.086 / 6.0	W=	.013423 / 2.6	T=	1.855 / 11.6			
LAT= 12.0	U=	1.338 / 8.8	V=	4.008 / 6.2	W=	.024831 / 2.6	T=	3.415 / 11.7			
LAT= 18.0	U=	2.028 / 8.7	V=	2.572 / 6.9	W=	.032674 / 2.7	T=	4.462 / 11.8			
LAT= 24.0	U=	2.745 / 8.7	V=	1.759 / 8.6	W=	.036179 / 2.8	T=	4.896 / 11.9			
LAT= 30.0	U=	3.472 / 8.6	V=	2.684 / 10.3	W=	.035470 / 2.9	T=	4.754 / 12.0			
LAT= 36.0	U=	4.151 / 8.6	V=	4.037 / 10.9	W=	.031442 / 3.0	T=	4.176 / .1			
LAT= 42.0	U=	4.683 / 8.6	V=	5.046 / 11.2	W=	.025424 / 3.1	T=	3.357 / .3			
LAT= 48.0	U=	4.976 / 8.7	V=	5.529 / 11.5	W=	.018815 / 3.3	T=	2.481 / .6			
LAT= 54.0	U=	4.966 / 8.8	V=	5.485 / 11.7	W=	.012805 / 3.5	T=	1.703 / .9			
LAT= 60.0	U=	4.636 / 8.9	V=	4.997 / 11.9	W=	.007999 / 3.8	T=	1.088 / 1.2			
LAT= 66.0	U=	3.971 / 9.1	V=	4.201 / 12.0	W=	.004513 / 4.3	T=	.641 / 1.7			
LAT= 72.0	U=	3.209 / 9.2	V=	3.211 / .2	W=	.002712 / 4.6	T=	.393 / 1.9			
LAT= 78.0	U=	2.270 / 9.3	V=	2.103 / .3	W=	.001458 / 4.2	T=	.188 / 1.3			
LAT= 84.0	U=	1.070 / 9.3	V=	.933 / .6	W=	.000424 / 3.2	T=	.047 / .1			
Z = 129.367 KM											
LAT= 0.0	U=	.004 / 7.5	V=	5.184 / 5.1	W=	.000006 / 1.7	T=	.001 / 11.9			
LAT= 6.0	U=	.631 / 8.2	V=	4.822 / 5.2	W=	.015195 / 2.0	T=	1.843 / 11.0			
LAT= 12.0	U=	1.258 / 8.1	V=	3.834 / 5.5	W=	.028239 / 2.0	T=	3.411 / 11.0			
LAT= 18.0	U=	1.890 / 7.9	V=	2.544 / 6.1	W=	.037433 / 2.1	T=	4.496 / 11.1			
LAT= 24.0	U=	2.541 / 7.8	V=	1.817 / 7.7	W=	.041874 / 2.2	T=	4.997 / 11.2			
LAT= 30.0	U=	3.204 / 7.7	V=	2.563 / 9.3	W=	.041603 / 2.3	T=	4.935 / 11.4			
LAT= 36.0	U=	3.824 / 7.7	V=	3.737 / 10.0	W=	.037509 / 2.4	T=	4.434 / 11.5			
LAT= 42.0	U=	4.308 / 7.7	V=	4.627 / 10.4	W=	.030996 / 2.6	T=	3.665 / 11.7			
LAT= 48.0	U=	4.572 / 7.8	V=	5.055 / 10.6	W=	.023590 / 2.8	T=	2.806 / 12.0			
LAT= 54.0	U=	4.566 / 7.9	V=	5.013 / 10.9	W=	.016652 / 3.1	T=	2.009 / .3			
LAT= 60.0	U=	4.273 / 8.1	V=	4.574 / 11.1	W=	.010914 / 3.4	T=	1.348 / .6			
LAT= 66.0	U=	3.670 / 8.2	V=	3.852 / 11.2	W=	.006549 / 3.8	T=	.835 / 1.0			
LAT= 72.0	U=	2.984 / 8.4	V=	2.953 / 11.4	W=	.004088 / 4.0	T=	.515 / 1.1			
LAT= 78.0	U=	2.103 / 8.4	V=	1.939 / 11.6	W=	.001989 / 3.4	T=	.222 / .6			
LAT= 84.0	U=	.987 / 8.5	V=	.868 / 11.9	W=	.000514 / 2.2	T=	.044 / 11.2			
Z = 135.169 KM											
LAT= 0.0	U=	.003 / 7.2	V=	4.904 / 4.4	W=	.000008 / 1.0	T=	.001 / 11.5			
LAT= 6.0	U=	.593 / 7.5	V=	4.566 / 4.5	W=	.016651 / 1.4	T=	1.747 / 10.4			
LAT= 12.0	U=	1.184 / 7.4	V=	3.643 / 4.7	W=	.031072 / 1.4	T=	3.256 / 10.5			
LAT= 18.0	U=	1.788 / 7.2	V=	2.447 / 5.4	W=	.041471 / 1.5	T=	4.339 / 10.6			
LAT= 24.0	U=	2.421 / 7.0	V=	1.774 / 6.9	W=	.046822 / 1.6	T=	4.891 / 10.7			
LAT= 30.0	U=	3.071 / 6.9	V=	2.437 / 8.5	W=	.047058 / 1.7	T=	4.918 / 10.8			
LAT= 36.0	U=	3.676 / 6.9	V=	3.509 / 9.2	W=	.043032 / 1.9	T=	4.515 / 11.0			
LAT= 42.0	U=	4.140 / 6.9	V=	4.332 / 9.6	W=	.036176 / 2.1	T=	3.830 / 11.2			
LAT= 48.0	U=	4.385 / 7.0	V=	4.739 / 9.8	W=	.028109 / 2.3	T=	3.019 / 11.4			
LAT= 54.0	U=	4.377 / 7.1	V=	4.717 / 10.1	W=	.020354 / 2.6	T=	2.234 / 11.7			
LAT= 60.0	U=	4.104 / 7.3	V=	4.329 / 10.3	W=	.013766 / 3.0	T=	1.552 / 12.0			
LAT= 66.0	U=	3.537 / 7.4	V=	3.670 / 10.5	W=	.008589 / 3.4	T=	.994 / .4			
LAT= 72.0	U=	2.890 / 7.6	V=	2.834 / 10.6	W=	.005423 / 3.5	T=	.613 / .5			
LAT= 78.0	U=	2.022 / 7.6	V=	1.876 / 10.8	W=	.002430 / 2.9	T=	.245 / 11.9			
LAT= 84.0	U=	.952 / 7.8	V=	.867 / 11.3	W=	.000561 / 1.2	T=	.037 / 10.4			
Z = 141.772 KM											
LAT= 0.0	U=	.003 / 6.9	V=	4.676 / 3.6	W=	.000010 / .5	T=	.001 / 11.1			
LAT= 6.0	U=	.555 / 6.8	V=	4.359 / 3.7	W=	.017888 / .8	T=	1.626 / 9.9			
LAT= 12.0	U=	1.124 / 6.7	V=	3.490 / 4.0	W=	.033473 / .9	T=	3.048 / 9.9			
LAT= 18.0	U=	1.728 / 6.5	V=	2.354 / 4.6	W=	.044882 / 1.0	T=	4.102 / 10.0			
LAT= 24.0	U=	2.374 / 6.3	V=	1.678 / 6.1	W=	.050999 / 1.1	T=	4.688 / 10.2			
LAT= 30.0	U=	3.036 / 6.2	V=	2.266 / 7.7	W=	.051681 / 1.2	T=	4.793 / 10.3			
LAT= 36.0	U=	3.642 / 6.2	V=	3.289 / 8.4	W=	.047759 / 1.4	T=	4.489 / 10.5			
LAT= 42.0	U=	4.094 / 6.2	V=	4.096 / 8.8	W=	.040680 / 1.6	T=	3.895 / 10.7			
LAT= 48.0	U=	4.324 / 6.3	V=	4.520 / 9.1	W=	.032109 / 1.9	T=	3.143 / 11.0			
LAT= 54.0	U=	4.311 / 6.5	V=	4.543 / 9.3	W=	.023684 / 2.2	T=	2.383 / 11.2			
LAT= 60.0	U=	4.053 / 6.6	V=	4.213 / 9.5	W=	.016369 / 2.6	T=	1.697 / 11.5			
LAT= 66.0	U=	3.508 / 6.7	V=	3.610 / 9.7	W=	.010475 / 3.0	T=	1.110 / 11.8			
LAT= 72.0	U=	2.883 / 6.9	V=	2.820 / 9.9	W=	.006612 / 3.1	T=	.683 / 11.9			
LAT= 78.0	U=	2.005 / 6.9	V=	1.891 / 10.1	W=	.002773 / 2.4	T=	.283 / 11.4			
LAT= 84.0	U=	.951 / 7.1	V=	.914 / 10.7	W=	.000585 / .3	T=	.029 / 9.9			

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200, \text{ and } 1400 \text{ K}$ (contd)

$T_0 = 1000 \text{ K}$										
Z = 149.425 KM										
LAT = 0.0	U = .003	/ 6.7	V = 4.505	/ 2.9	W = .000011	/ .1	T = .001	/ 10.7		
LAT = 6.0	U = .520	/ 6.1	V = 4.208	/ 3.0	W = .019110	/ .2	T = 1.505	/ 9.3		
LAT = 12.0	U = 1.074	/ 6.0	V = 3.391	/ 3.2	W = .035789	/ .3	T = 2.835	/ 9.4		
LAT = 18.0	U = 1.683	/ 5.8	V = 2.301	/ 3.8	W = .048070	/ .4	T = 3.846	/ 9.5		
LAT = 24.0	U = 2.339	/ 5.7	V = 1.569	/ 5.3	W = .054784	/ .6	T = 4.445	/ 9.6		
LAT = 30.0	U = 3.000	/ 5.7	V = 2.049	/ 7.0	W = .055780	/ .7	T = 4.609	/ 9.8		
LAT = 36.0	U = 3.594	/ 5.6	V = 3.034	/ 7.7	W = .051919	/ .9	T = 4.388	/ 10.0		
LAT = 42.0	U = 4.027	/ 5.7	V = 3.848	/ 8.1	W = .044683	/ 1.2	T = 3.878	/ 10.2		
LAT = 48.0	U = 4.237	/ 5.8	V = 4.307	/ 8.4	W = .035745	/ 1.5	T = 3.192	/ 10.5		
LAT = 54.0	U = 4.225	/ 5.9	V = 4.388	/ 8.7	W = .026788	/ 1.8	T = 2.464	/ 10.8		
LAT = 60.0	U = 3.990	/ 6.0	V = 4.115	/ 8.9	W = .018836	/ 2.1	T = 1.786	/ 11.0		
LAT = 66.0	U = 3.475	/ 6.1	V = 3.566	/ 9.1	W = .012282	/ 2.5	T = 1.188	/ 11.3		
LAT = 72.0	U = 2.874	/ 6.2	V = 2.817	/ 9.3	W = .007717	/ 2.6	T = .728	/ 11.3		
LAT = 78.0	U = 1.992	/ 6.3	V = 1.915	/ 9.5	W = .003076	/ 1.9	T = .277	/ 10.9		
LAT = 84.0	U = .954	/ 6.5	V = .967	/ 10.1	W = .000542	/ 11.8	T = .027	/ 9.8		
Z = 158.420 KM										
LAT = 0.0	U = .003	/ 6.3	V = 4.386	/ 2.2	W = .000014	/ 11.8	T = .001	/ 10.4		
LAT = 6.0	U = .489	/ 5.3	V = 4.109	/ 2.3	W = .020449	/ 11.7	T = 1.398	/ 8.8		
LAT = 12.0	U = 1.016	/ 5.3	V = 3.341	/ 2.5	W = .038280	/ 11.8	T = 2.642	/ 8.9		
LAT = 18.0	U = 1.607	/ 5.2	V = 2.291	/ 3.0	W = .051406	/ 11.9	T = 3.603	/ 9.0		
LAT = 24.0	U = 2.239	/ 5.1	V = 1.475	/ 4.4	W = .058635	/ 12.0	T = 4.195	/ 9.1		
LAT = 30.0	U = 2.863	/ 5.1	V = 1.793	/ 6.2	W = .059858	/ .2	T = 4.393	/ 9.3		
LAT = 36.0	U = 3.420	/ 5.1	V = 2.726	/ 7.1	W = .056033	/ .5	T = 4.237	/ 9.5		
LAT = 42.0	U = 3.827	/ 5.1	V = 3.539	/ 7.5	W = .048693	/ .7	T = 3.803	/ 9.8		
LAT = 48.0	U = 4.029	/ 5.2	V = 4.034	/ 7.8	W = .039499	/ 1.0	T = 3.180	/ 10.0		
LAT = 54.0	U = 4.034	/ 5.3	V = 4.169	/ 8.1	W = .030113	/ 1.3	T = 2.492	/ 10.3		
LAT = 60.0	U = 3.844	/ 5.4	V = 3.962	/ 8.3	W = .021561	/ 1.6	T = 1.831	/ 10.5		
LAT = 66.0	U = 3.381	/ 5.5	V = 3.468	/ 8.5	W = .014313	/ 2.0	T = 1.235	/ 10.8		
LAT = 72.0	U = 2.813	/ 5.6	V = 2.764	/ 8.7	W = .008949	/ 2.0	T = .758	/ 10.8		
LAT = 78.0	U = 1.948	/ 5.6	V = 1.898	/ 8.9	W = .003402	/ 1.5	T = .289	/ 10.4		
LAT = 84.0	U = .944	/ 5.9	V = .996	/ 9.5	W = .000382	/ 11.6	T = .032	/ 10.0		
Z = 181.310 KM										
LAT = 0.0	U = .003	/ 5.7	V = 4.296	/ .9	W = .000020	/ 11.3	T = .001	/ 10.0		
LAT = 6.0	U = .426	/ 3.8	V = 4.053	/ 1.0	W = .023461	/ 10.7	T = 1.242	/ 7.8		
LAT = 12.0	U = .887	/ 3.8	V = 3.373	/ 1.2	W = .043786	/ 10.7	T = 2.345	/ 8.0		
LAT = 18.0	U = 1.401	/ 3.8	V = 2.402	/ 1.6	W = .058626	/ 10.9	T = 3.203	/ 8.1		
LAT = 24.0	U = 1.945	/ 3.9	V = 1.453	/ 2.5	W = .066854	/ 11.0	T = 3.753	/ 8.3		
LAT = 30.0	U = 2.478	/ 3.9	V = 1.307	/ 4.5	W = .068585	/ 11.3	T = 3.973	/ 8.5		
LAT = 36.0	U = 2.968	/ 3.9	V = 2.051	/ 5.8	W = .065028	/ 11.5	T = 3.901	/ 8.8		
LAT = 42.0	U = 3.350	/ 4.0	V = 2.836	/ 6.3	W = .057766	/ 11.8	T = 3.589	/ 9.0		
LAT = 48.0	U = 3.557	/ 4.1	V = 3.383	/ 6.7	W = .048371	/ 12.0	T = 3.086	/ 9.2		
LAT = 54.0	U = 3.607	/ 4.2	V = 3.628	/ 6.9	W = .038374	/ .3	T = 2.484	/ 9.4		
LAT = 60.0	U = 3.510	/ 4.3	V = 3.558	/ 7.1	W = .028638	/ .6	T = 1.871	/ 9.6		
LAT = 66.0	U = 3.168	/ 4.4	V = 3.195	/ 7.3	W = .019768	/ .9	T = 1.293	/ 9.8		
LAT = 72.0	U = 2.662	/ 4.4	V = 2.590	/ 7.5	W = .012340	/ .9	T = .794	/ 9.8		
LAT = 78.0	U = 1.826	/ 4.5	V = 1.798	/ 7.8	W = .004332	/ .6	T = .310	/ 9.6		
LAT = 84.0	U = .895	/ 4.8	V = .980	/ 8.5	W = .000250	/ 2.5	T = .053	/ 10.0		
Z = 209.865 KM										
LAT = 0.0	U = .003	/ 5.1	V = 4.362	/ 12.0	W = .000025	/ 10.7	T = .001	/ 9.9		
LAT = 6.0	U = .372	/ 2.5	V = 4.142	/ 12.0	W = .026085	/ 9.8	T = 1.157	/ 7.3		
LAT = 12.0	U = .770	/ 2.6	V = 3.520	/ .2	W = .048358	/ 9.9	T = 2.181	/ 7.4		
LAT = 18.0	U = 1.221	/ 2.7	V = 2.615	/ .5	W = .064289	/ 10.1	T = 2.975	/ 7.6		
LAT = 24.0	U = 1.712	/ 2.7	V = 1.647	/ 1.2	W = .073103	/ 10.2	T = 3.492	/ 7.8		
LAT = 30.0	U = 2.209	/ 2.8	V = 1.138	/ 2.9	W = .075350	/ 10.4	T = 3.720	/ 8.1		
LAT = 36.0	U = 2.694	/ 2.9	V = 1.594	/ 4.6	W = .072385	/ 10.7	T = 3.697	/ 8.3		
LAT = 42.0	U = 3.096	/ 3.0	V = 2.317	/ 5.3	W = .065572	/ 11.0	T = 3.462	/ 8.5		
LAT = 48.0	U = 3.322	/ 3.1	V = 2.893	/ 5.7	W = .056299	/ 11.3	T = 3.041	/ 8.7		
LAT = 54.0	U = 3.395	/ 3.2	V = 3.227	/ 6.0	W = .046008	/ 11.6	T = 2.499	/ 8.9		
LAT = 60.0	U = 3.352	/ 3.4	V = 3.280	/ 6.2	W = .035336	/ 11.9	T = 1.918	/ 9.1		
LAT = 66.0	U = 3.091	/ 3.5	V = 3.034	/ 6.4	W = .024984	/ .2	T = 1.350	/ 9.2		
LAT = 72.0	U = 2.626	/ 3.5	V = 2.510	/ 6.6	W = .015661	/ .2	T = .834	/ 9.2		
LAT = 78.0	U = 1.791	/ 3.5	V = 1.758	/ 6.8	W = .005429	/ 12.0	T = .331	/ 9.1		
LAT = 84.0	U = .876	/ 3.9	V = .957	/ 7.5	W = .000709	/ 1.9	T = .072	/ 9.6		

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200$ and 1400 K (contd)

$T_0 = 1000$ K										
Z = 240.988 KM										
LAT= 0.0	U= .001	/ 4.8	V= 4.497	/ 11.3	W= .000029	/ 10.3	T= .001	/ 9.9		
LAT= 6.0	U= .348	/ 1.5	V= 4.282	/ 11.4	W= .027524	/ 9.2	T= 1.128	/ 7.0		
LAT= 12.0	U= .720	/ 1.6	V= 3.678	/ 11.5	W= .050759	/ 9.3	T= 2.123	/ 7.2		
LAT= 18.0	U= 1.141	/ 1.8	V= 2.799	/ 11.9	W= .067121	/ 9.5	T= 2.893	/ 7.4		
LAT= 24.0	U= 1.618	/ 1.9	V= 1.840	/ .5	W= .076198	/ 9.6	T= 3.402	/ 7.6		
LAT= 30.0	U= 2.122	/ 2.0	V= 1.189	/ 1.9	W= .078886	/ 9.9	T= 3.640	/ 7.8		
LAT= 36.0	U= 2.642	/ 2.2	V= 1.418	/ 3.7	W= .076458	/ 10.1	T= 3.642	/ 8.0		
LAT= 42.0	U= 3.088	/ 2.3	V= 2.084	/ 4.6	W= .069934	/ 10.4	T= 3.448	/ 8.3		
LAT= 48.0	U= 3.338	/ 2.5	V= 2.680	/ 5.1	W= .060640	/ 10.8	T= 3.065	/ 8.5		
LAT= 54.0	U= 3.415	/ 2.6	V= 3.075	/ 5.4	W= .050159	/ 11.1	T= 2.549	/ 8.6		
LAT= 60.0	U= 3.386	/ 2.8	V= 3.207	/ 5.6	W= .038952	/ 11.4	T= 1.976	/ 8.8		
LAT= 66.0	U= 3.157	/ 2.9	V= 3.033	/ 5.8	W= .027674	/ 11.7	T= 1.404	/ 9.0		
LAT= 72.0	U= 2.698	/ 2.9	V= 2.546	/ 6.0	W= .017266	/ 11.7	T= .869	/ 8.9		
LAT= 78.0	U= 1.839	/ 2.9	V= 1.797	/ 6.2	W= .005978	/ 11.7	T= .350	/ 8.9		
LAT= 84.0	U= .901	/ 3.2	V= .978	/ 6.8	W= .001379	/ 1.2	T= .084	/ 9.3		
Z = 272.801 KM										
LAT= 0.0	U= .001	/ 4.5	V= 4.636	/ 11.0	W= .000033	/ 10.0	T= .001	/ 9.9		
LAT= 6.0	U= .355	/ .9	V= 4.421	/ 11.0	W= .028041	/ 8.8	T= 1.126	/ 6.9		
LAT= 12.0	U= .731	/ 1.0	V= 3.817	/ 11.2	W= .051707	/ 8.9	T= 2.117	/ 7.0		
LAT= 18.0	U= 1.154	/ 1.2	V= 2.947	/ 11.5	W= .068407	/ 9.0	T= 2.885	/ 7.2		
LAT= 24.0	U= 1.638	/ 1.4	V= 1.989	/ .1	W= .077773	/ 9.2	T= 3.395	/ 7.5		
LAT= 30.0	U= 2.168	/ 1.6	V= 1.280	/ 1.4	W= .060735	/ 9.4	T= 3.641	/ 7.7		
LAT= 36.0	U= 2.726	/ 1.8	V= 1.387	/ 3.2	W= .078416	/ 9.7	T= 3.657	/ 7.9		
LAT= 42.0	U= 3.211	/ 1.9	V= 2.024	/ 4.1	W= .071645	/ 10.0	T= 3.481	/ 8.1		
LAT= 48.0	U= 3.480	/ 2.1	V= 2.642	/ 4.7	W= .061942	/ 10.4	T= 3.113	/ 8.3		
LAT= 54.0	U= 3.556	/ 2.3	V= 3.080	/ 5.0	W= .051231	/ 10.8	T= 2.604	/ 8.5		
LAT= 60.0	U= 3.519	/ 2.4	V= 3.259	/ 5.3	W= .039850	/ 11.1	T= 2.027	/ 8.7		
LAT= 66.0	U= 3.291	/ 2.6	V= 3.119	/ 5.5	W= .028192	/ 11.4	T= 1.444	/ 8.8		
LAT= 72.0	U= 2.816	/ 2.6	V= 2.636	/ 5.6	W= .017362	/ 11.4	T= .896	/ 8.8		
LAT= 78.0	U= 1.916	/ 2.6	V= 1.864	/ 5.9	W= .005832	/ 11.5	T= .364	/ 8.8		
LAT= 84.0	U= .944	/ 2.9	V= 1.015	/ 6.5	W= .002008	/ 1.1	T= .091	/ 9.2		
Z = 304.762 KM										
LAT= 0.0	U= .001	/ 4.4	V= 4.756	/ 10.8	W= .000036	/ 9.7	T= .001	/ 9.9		
LAT= 6.0	U= .377	/ .5	V= 4.542	/ 10.8	W= .028036	/ 8.4	T= 1.135	/ 6.8		
LAT= 12.0	U= .770	/ .7	V= 3.940	/ 11.0	W= .051863	/ 8.5	T= 2.135	/ 7.0		
LAT= 18.0	U= 1.207	/ .9	V= 3.070	/ 11.3	W= .068886	/ 8.6	T= 2.910	/ 7.2		
LAT= 24.0	U= 1.711	/ 1.1	V= 2.105	/ 11.9	W= .078504	/ 8.8	T= 3.426	/ 7.4		
LAT= 30.0	U= 2.264	/ 1.3	V= 1.364	/ 1.1	W= .081476	/ 9.1	T= 3.679	/ 7.7		
LAT= 36.0	U= 2.855	/ 1.5	V= 1.409	/ 2.9	W= .078811	/ 9.4	T= 3.703	/ 7.9		
LAT= 42.0	U= 3.369	/ 1.7	V= 2.038	/ 3.9	W= .071350	/ 9.7	T= 3.532	/ 8.1		
LAT= 48.0	U= 3.651	/ 1.9	V= 2.679	/ 4.5	W= .060949	/ 10.1	T= 3.168	/ 8.3		
LAT= 54.0	U= 3.722	/ 2.1	V= 3.146	/ 4.8	W= .049973	/ 10.5	T= 2.656	/ 8.5		
LAT= 60.0	U= 3.675	/ 2.2	V= 3.354	/ 5.1	W= .038720	/ 10.8	T= 2.071	/ 8.6		
LAT= 66.0	U= 3.435	/ 2.4	V= 3.230	/ 5.3	W= .027175	/ 11.1	T= 1.478	/ 8.8		
LAT= 72.0	U= 2.937	/ 2.4	V= 2.737	/ 5.5	W= .016461	/ 11.1	T= .918	/ 8.7		
LAT= 78.0	U= 1.994	/ 2.4	V= 1.935	/ 5.7	W= .005188	/ 11.4	T= .374	/ 8.7		
LAT= 84.0	U= .985	/ 2.7	V= 1.051	/ 6.3	W= .002418	/ 1.0	T= .096	/ 9.1		
Z = 336.754 KM										
LAT= 0.0	U= .001	/ 4.3	V= 4.860	/ 10.6	W= .000039	/ 9.5	T= .001	/ 9.9		
LAT= 6.0	U= .400	/ .3	V= 4.647	/ 10.7	W= .027741	/ 8.1	T= 1.152	/ 6.8		
LAT= 12.0	U= .813	/ .5	V= 4.047	/ 10.9	W= .051541	/ 8.2	T= 2.166	/ 7.0		
LAT= 18.0	U= 1.268	/ .7	V= 3.173	/ 11.2	W= .068798	/ 8.3	T= 2.954	/ 7.2		
LAT= 24.0	U= 1.791	/ .9	V= 2.198	/ 11.7	W= .078566	/ 8.5	T= 3.480	/ 7.4		
LAT= 30.0	U= 2.365	/ 1.2	V= 1.431	/ .9	W= .081315	/ 8.8	T= 3.737	/ 7.6		
LAT= 36.0	U= 2.980	/ 1.4	V= 1.443	/ 2.7	W= .077982	/ 9.1	T= 3.765	/ 7.9		
LAT= 42.0	U= 3.515	/ 1.6	V= 2.076	/ 3.8	W= .069543	/ 9.4	T= 3.596	/ 8.1		
LAT= 48.0	U= 3.805	/ 1.8	V= 2.737	/ 4.3	W= .058237	/ 9.8	T= 3.230	/ 8.2		
LAT= 54.0	U= 3.873	/ 1.9	V= 3.226	/ 4.7	W= .046930	/ 10.2	T= 2.711	/ 8.4		
LAT= 60.0	U= 3.817	/ 2.1	V= 3.462	/ 5.0	W= .036008	/ 10.6	T= 2.115	/ 8.6		
LAT= 66.0	U= 3.565	/ 2.3	V= 3.334	/ 5.2	W= .024990	/ 10.9	T= 1.511	/ 8.7		
LAT= 72.0	U= 3.043	/ 2.3	V= 2.830	/ 5.4	W= .014862	/ 10.9	T= .938	/ 8.7		
LAT= 78.0	U= 2.062	/ 2.3	V= 1.999	/ 5.6	W= .004217	/ 11.2	T= .385	/ 8.7		
LAT= 84.0	U= 1.020	/ 2.6	V= 1.081	/ 6.2	W= .002612	/ 1.1	T= .099	/ 9.0		

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1000$ K									
Z= 368.753 KM									
LAT= 0.0	U=	.001 / 4.2	V=	4.957 / 10.6	W=	.000043 / 9.3	T=	.001 / 9.9	
LAT= 6.0	U=	.418 / .2	V=	4.742 / 10.6	W=	.027320 / 7.8	T=	1.174 / 6.8	
LAT= 12.0	U=	.849 / .4	V=	4.141 / 10.8	W=	.051001 / 7.9	T=	2.207 / 6.9	
LAT= 18.0	U=	1.320 / .6	V=	3.260 / 11.1	W=	.068457 / 8.0	T=	3.009 / 7.2	
LAT= 24.0	U=	1.860 / .8	V=	2.270 / 11.7	W=	.078335 / 8.2	T=	3.546 / 7.4	
LAT= 30.0	U=	2.453 / 1.1	V=	1.484 / .8	W=	.080751 / 8.4	T=	3.808 / 7.6	
LAT= 36.0	U=	3.086 / 1.3	V=	1.477 / 2.6	W=	.076576 / 8.7	T=	3.839 / 7.8	
LAT= 42.0	U=	3.637 / 1.5	V=	2.119 / 3.7	W=	.066980 / 9.1	T=	3.668 / 8.0	
LAT= 48.0	U=	3.935 / 1.7	V=	2.798 / 4.3	W=	.054561 / 9.5	T=	3.296 / 8.2	
LAT= 54.0	U=	4.000 / 1.9	V=	3.305 / 4.7	W=	.042740 / 9.9	T=	2.768 / 8.4	
LAT= 60.0	U=	3.935 / 2.1	V=	3.542 / 5.0	W=	.032183 / 10.3	T=	2.161 / 8.6	
LAT= 66.0	U=	3.673 / 2.2	V=	3.426 / 5.1	W=	.021952 / 10.6	T=	1.543 / 8.7	
LAT= 72.0	U=	3.133 / 2.2	V=	2.910 / 5.3	W=	.012786 / 10.6	T=	.958 / 8.7	
LAT= 78.0	U=	2.121 / 2.3	V=	2.052 / 5.5	W=	.003043 / 11.0	T=	.393 / 8.7	
LAT= 84.0	U=	1.051 / 2.6	V=	1.108 / 6.1	W=	.002638 / 1.2	T=	.103 / 9.0	
Z= 400.753 KM									
LAT= 0.0	U=	.001 / 4.2	V=	5.051 / 10.6	W=	.000046 / 9.2	T=	.001 / 9.9	
LAT= 6.0	U=	.431 / .2	V=	4.835 / 10.6	W=	.026912 / 7.5	T=	1.197 / 6.8	
LAT= 12.0	U=	.877 / .3	V=	4.228 / 10.8	W=	.050520 / 7.6	T=	2.250 / 6.9	
LAT= 18.0	U=	1.362 / .6	V=	3.336 / 11.1	W=	.068261 / 7.7	T=	3.069 / 7.1	
LAT= 24.0	U=	1.916 / .8	V=	2.330 / 11.7	W=	.078353 / 7.9	T=	3.615 / 7.4	
LAT= 30.0	U=	2.524 / 1.1	V=	1.524 / .8	W=	.080486 / 8.1	T=	3.885 / 7.6	
LAT= 36.0	U=	3.173 / 1.3	V=	1.510 / 2.6	W=	.075453 / 8.4	T=	3.916 / 7.8	
LAT= 42.0	U=	3.736 / 1.5	V=	2.162 / 3.7	W=	.064636 / 8.7	T=	3.742 / 8.0	
LAT= 48.0	U=	4.041 / 1.7	V=	2.858 / 4.3	W=	.050909 / 9.1	T=	3.363 / 8.2	
LAT= 54.0	U=	4.104 / 1.9	V=	3.377 / 4.6	W=	.038242 / 9.5	T=	2.825 / 8.4	
LAT= 60.0	U=	4.036 / 2.0	V=	3.622 / 4.9	W=	.027850 / 9.9	T=	2.206 / 8.6	
LAT= 66.0	U=	3.765 / 2.2	V=	3.508 / 5.1	W=	.018453 / 10.3	T=	1.576 / 8.7	
LAT= 72.0	U=	3.209 / 2.2	V=	2.980 / 5.3	W=	.010477 / 10.2	T=	.978 / 8.7	
LAT= 78.0	U=	2.171 / 2.3	V=	2.100 / 5.5	W=	.001805 / 10.4	T=	.401 / 8.7	
LAT= 84.0	U=	1.076 / 2.5	V=	1.131 / 6.1	W=	.002547 / 1.4	T=	.104 / 9.0	

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200, \text{ and } 1400 \text{ K}$ (contd)

										$T_0 = 1200 \text{ K}$	
Z = 100.017 KM											
LAT= 0.0	U=	0.000 / .4	V=	2.209 / 10.1	W=	.000002 / 7.6	T=	0.000 / 4.8			
LAT= 6.0	U=	.220 / 1.2	V=	1.950 / 10.1	W=	.003639 / 7.8	T=	.395 / 5.7			
LAT= 12.0	U=	.511 / 1.2	V=	1.245 / 10.3	W=	.006574 / 7.9	T=	.719 / 5.8			
LAT= 18.0	U=	.901 / 1.2	V=	.299 / 11.1	W=	.008351 / 8.1	T=	.927 / 5.9			
LAT= 24.0	U=	1.358 / 1.2	V=	.790 / 3.8	W=	.008881 / 8.3	T=	1.000 / 6.0			
LAT= 30.0	U=	1.805 / 1.3	V=	1.660 / 4.1	W=	.008376 / 8.5	T=	.953 / 6.2			
LAT= 36.0	U=	2.159 / 1.3	V=	2.265 / 4.3	W=	.007188 / 8.8	T=	.818 / 6.4			
LAT= 42.0	U=	2.355 / 1.4	V=	2.561 / 4.4	W=	.005668 / 9.2	T=	.637 / 6.6			
LAT= 48.0	U=	2.371 / 1.5	V=	2.575 / 4.5	W=	.004100 / 9.5	T=	.450 / 6.8			
LAT= 54.0	U=	2.223 / 1.6	V=	2.373 / 4.6	W=	.002705 / 9.9	T=	.286 / 7.1			
LAT= 60.0	U=	1.943 / 1.6	V=	2.034 / 4.6	W=	.001606 / 10.4	T=	.160 / 7.4			
LAT= 66.0	U=	1.585 / 1.7	V=	1.628 / 4.6	W=	.000887 / 11.0	T=	.081 / 8.0			
LAT= 72.0	U=	1.196 / 1.7	V=	1.200 / 4.6	W=	.000495 / 11.5	T=	.041 / 8.3			
LAT= 78.0	U=	.773 / 1.6	V=	.778 / 4.6	W=	.000289 / 11.9	T=	.020 / 8.8			
LAT= 84.0	U=	.386 / 1.6	V=	.379 / 4.7	W=	.000064 / 10.6	T=	.005 / 7.5			
Z = 103.521 KM											
LAT= 0.0	U=	.001 / .3	V=	2.720 / 9.7	W=	.000003 / 7.4	T=	0.000 / 4.6			
LAT= 6.0	U=	.295 / .9	V=	2.452 / 9.8	W=	.004307 / 7.1	T=	.481 / 5.1			
LAT= 12.0	U=	.658 / .8	V=	1.700 / 9.9	W=	.007863 / 7.2	T=	.891 / 5.2			
LAT= 18.0	U=	1.130 / .8	V=	.629 / 10.6	W=	.010142 / 7.3	T=	1.171 / 5.3			
LAT= 24.0	U=	1.706 / .9	V=	.762 / 3.1	W=	.010968 / 7.5	T=	1.296 / 5.4			
LAT= 30.0	U=	2.337 / .9	V=	1.972 / 3.6	W=	.010488 / 7.8	T=	1.268 / 5.6			
LAT= 36.0	U=	2.932 / 1.0	V=	2.991 / 3.9	W=	.009061 / 8.1	T=	1.118 / 5.8			
LAT= 42.0	U=	3.387 / 1.1	V=	3.670 / 4.0	W=	.007122 / 8.4	T=	.891 / 6.0			
LAT= 48.0	U=	3.619 / 1.2	V=	3.952 / 4.1	W=	.005088 / 8.8	T=	.641 / 6.2			
LAT= 54.0	U=	3.581 / 1.2	V=	3.854 / 4.2	W=	.003299 / 9.2	T=	.414 / 6.6			
LAT= 60.0	U=	3.279 / 1.3	V=	3.451 / 4.3	W=	.001935 / 9.8	T=	.237 / 6.9			
LAT= 66.0	U=	2.768 / 1.4	V=	2.850 / 4.4	W=	.001080 / 10.6	T=	.124 / 7.6			
LAT= 72.0	U=	2.142 / 1.4	V=	2.142 / 4.4	W=	.000630 / 11.2	T=	.067 / 8.1			
LAT= 78.0	U=	1.415 / 1.4	V=	1.404 / 4.4	W=	.000429 / 11.5	T=	.040 / 8.5			
LAT= 84.0	U=	.701 / 1.4	V=	.678 / 4.5	W=	.000097 / 10.3	T=	.009 / 7.2			
Z = 107.177 KM											
LAT= 0.0	U=	.002 / 12.0	V=	3.759 / 9.3	W=	.000004 / 6.9	T=	.001 / 4.2			
LAT= 6.0	U=	.420 / .4	V=	3.405 / 9.3	W=	.005483 / 6.3	T=	.656 / 4.3			
LAT= 12.0	U=	.924 / .4	V=	2.399 / 9.4	W=	.010060 / 6.4	T=	1.214 / 4.3			
LAT= 18.0	U=	1.570 / .3	V=	.940 / 9.9	W=	.013053 / 6.5	T=	1.601 / 4.4			
LAT= 24.0	U=	2.357 / .3	V=	.969 / 2.5	W=	.014155 / 6.6	T=	1.772 / 4.5			
LAT= 30.0	U=	3.219 / .4	V=	2.657 / 3.0	W=	.013472 / 6.8	T=	1.727 / 4.7			
LAT= 36.0	U=	4.040 / .4	V=	4.100 / 3.2	W=	.011450 / 7.0	T=	1.508 / 4.8			
LAT= 42.0	U=	4.677 / .4	V=	5.077 / 3.3	W=	.008719 / 7.3	T=	1.185 / 5.1			
LAT= 48.0	U=	5.009 / .5	V=	5.498 / 3.4	W=	.005927 / 7.6	T=	.836 / 5.3			
LAT= 54.0	U=	4.970 / .5	V=	5.382 / 3.5	W=	.003589 / 8.1	T=	.529 / 5.7			
LAT= 60.0	U=	4.568 / .6	V=	4.833 / 3.6	W=	.001948 / 8.7	T=	.300 / 6.2			
LAT= 66.0	U=	3.857 / .7	V=	3.998 / 3.7	W=	.001040 / 9.7	T=	.158 / 7.0			
LAT= 72.0	U=	2.996 / .7	V=	3.011 / 3.7	W=	.000637 / 10.6	T=	.090 / 7.6			
LAT= 78.0	U=	2.005 / .8	V=	1.970 / 3.8	W=	.000479 / 10.6	T=	.060 / 7.7			
LAT= 84.0	U=	.987 / .8	V=	.940 / 3.8	W=	.000117 / 9.5	T=	.014 / 6.8			
Z = 111.019 KM											
LAT= 0.0	U=	.003 / 11.1	V=	4.767 / 8.5	W=	.000005 / 6.2	T=	.001 / 3.4			
LAT= 6.0	U=	.554 / 11.6	V=	4.333 / 8.6	W=	.007223 / 5.3	T=	.920 / 3.1			
LAT= 12.0	U=	1.194 / 11.6	V=	3.112 / 8.7	W=	.013237 / 5.4	T=	1.695 / 3.1			
LAT= 18.0	U=	1.974 / 11.6	V=	1.373 / 9.3	W=	.017130 / 5.4	T=	2.213 / 3.2			
LAT= 24.0	U=	2.891 / 11.5	V=	1.157 / 1.2	W=	.018489 / 5.5	T=	2.416 / 3.3			
LAT= 30.0	U=	3.677 / 11.5	V=	3.114 / 2.0	W=	.017463 / 5.7	T=	2.318 / 3.5			
LAT= 36.0	U=	4.806 / 11.5	V=	4.837 / 2.3	W=	.014663 / 5.8	T=	1.986 / 3.6			
LAT= 42.0	U=	5.523 / 11.5	V=	6.002 / 2.4	W=	.010964 / 6.1	T=	1.526 / 3.9			
LAT= 48.0	U=	5.893 / 11.6	V=	6.504 / 2.5	W=	.007241 / 6.3	T=	1.051 / 4.2			
LAT= 54.0	U=	5.839 / 11.6	V=	6.368 / 2.6	W=	.004177 / 6.7	T=	.650 / 4.6			
LAT= 60.0	U=	5.377 / 11.7	V=	5.724 / 2.7	W=	.002081 / 7.3	T=	.367 / 5.1			
LAT= 66.0	U=	4.533 / 11.8	V=	4.743 / 2.8	W=	.000977 / 8.4	T=	.196 / 6.1			
LAT= 72.0	U=	3.541 / 11.9	V=	3.578 / 2.9	W=	.000582 / 9.5	T=	.121 / 6.7			
LAT= 78.0	U=	2.412 / 11.9	V=	2.337 / 2.9	W=	.000467 / 9.3	T=	.078 / 6.4			
LAT= 84.0	U=	1.174 / 11.9	V=	1.087 / 3.0	W=	.000118 / 8.1	T=	.020 / 5.3			

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 1200 K

Z = 115.091 KM

LAT= 0.0	U= .004 / 10.1	V= 5.341 / 7.7	W= .000005 / 5.2	T= .001 / 2.4
LAT= 6.0	U= .640 / 10.7	V= 4.888 / 7.7	W= .009238 / 4.4	T= 1.227 / 1.9
LAT= 12.0	U= 1.341 / 10.7	V= 3.625 / 7.9	W= .016923 / 4.4	T= 2.248 / 1.9
LAT= 18.0	U= 2.147 / 10.7	V= 1.377 / 8.6	W= .021895 / 4.5	T= 2.908 / 2.0
LAT= 24.0	U= 3.054 / 10.6	V= 1.321 / 11.5	W= .023649 / 4.5	T= 3.142 / 2.1
LAT= 30.0	U= 4.008 / 10.6	V= 3.118 / .8	W= .022392 / 4.6	T= 2.980 / 2.2
LAT= 36.0	U= 4.899 / 10.6	V= 4.865 / 1.2	W= .018914 / 4.8	T= 2.526 / 2.4
LAT= 42.0	U= 5.587 / 10.6	V= 6.365 / 1.4	W= .014304 / 4.9	T= 1.927 / 2.6
LAT= 48.0	U= 5.945 / 10.6	V= 6.594 / 1.5	W= .009635 / 5.1	T= 1.323 / 2.9
LAT= 54.0	U= 5.894 / 10.7	V= 6.477 / 1.7	W= .005723 / 5.4	T= .819 / 3.3
LAT= 60.0	U= 5.450 / 10.8	V= 5.840 / 1.8	W= .002962 / 5.8	T= .467 / 3.8
LAT= 66.0	U= 4.600 / 10.9	V= 4.859 / 1.9	W= .001323 / 6.6	T= .250 / 4.7
LAT= 72.0	U= 3.632 / 11.0	V= 3.678 / 2.0	W= .000679 / 7.5	T= .153 / 5.2
LAT= 78.0	U= 2.514 / 11.1	V= 2.400 / 2.1	W= .000515 / 7.3	T= .094 / 4.8
LAT= 84.0	U= 1.210 / 11.1	V= 1.090 / 2.2	W= .000152 / 6.1	T= .025 / 3.5

Z = 119.451 KM

LAT= 0.0	U= .005 / 9.1	V= 5.515 / 6.9	W= .000005 / 4.1	T= .001 / 1.5
LAT= 6.0	U= .665 / 9.9	V= 5.083 / 6.9	W= .011264 / 3.5	T= 1.477 / .8
LAT= 12.0	U= 1.365 / 9.8	V= 3.886 / 7.1	W= .020682 / 3.6	T= 2.702 / .8
LAT= 18.0	U= 2.123 / 9.7	V= 2.274 / 7.8	W= .026877 / 3.6	T= 3.492 / .9
LAT= 24.0	U= 2.944 / 9.7	V= 1.544 / 10.1	W= .029241 / 3.7	T= 3.774 / 1.0
LAT= 30.0	U= 3.788 / 9.6	V= 2.926 / 11.6	W= .028004 / 3.8	T= 3.598 / 1.2
LAT= 36.0	U= 4.573 / 9.6	V= 4.506 / .1	W= .024075 / 3.9	T= 3.065 / 1.3
LAT= 42.0	U= 5.180 / 9.7	V= 5.621 / .4	W= .018711 / 4.0	T= 2.374 / 1.5
LAT= 48.0	U= 5.498 / 9.7	V= 6.123 / .6	W= .013146 / 4.2	T= 1.673 / 1.8
LAT= 54.0	U= 5.455 / 9.8	V= 6.029 / .7	W= .008330 / 4.5	T= 1.079 / 2.2
LAT= 60.0	U= 5.066 / 9.9	V= 5.453 / .9	W= .004768 / 4.8	T= .647 / 2.6
LAT= 66.0	U= 4.284 / 10.1	V= 4.553 / 1.0	W= .002402 / 5.4	T= .360 / 3.2
LAT= 72.0	U= 3.425 / 10.2	V= 3.459 / 1.2	W= .001331 / 5.8	T= .217 / 3.6
LAT= 78.0	U= 2.401 / 10.3	V= 2.257 / 1.3	W= .000826 / 5.6	T= .119 / 3.1
LAT= 84.0	U= 1.142 / 10.3	V= 1.005 / 1.4	W= .000260 / 4.6	T= .033 / 1.8

Z = 124.175 KM

LAT= 0.0	U= .005 / 8.3	V= 5.445 / 6.0	W= .000005 / 3.0	T= .001 / .9
LAT= 6.0	U= .657 / 9.1	V= 5.043 / 6.1	W= .013162 / 2.8	T= 1.599 / 11.9
LAT= 12.0	U= 1.325 / 9.0	V= 3.937 / 6.3	W= .024268 / 2.8	T= 2.934 / 12.0
LAT= 18.0	U= 2.021 / 8.9	V= 2.481 / 7.0	W= .031759 / 2.9	T= 3.814 / .1
LAT= 24.0	U= 2.752 / 8.8	V= 1.741 / 8.9	W= .034911 / 3.0	T= 4.157 / .2
LAT= 30.0	U= 3.495 / 8.7	V= 2.767 / 10.5	W= .033919 / 3.1	T= 4.003 / .3
LAT= 36.0	U= 4.184 / 8.7	V= 4.133 / 11.1	W= .029749 / 3.2	T= 3.485 / .5
LAT= 42.0	U= 4.715 / 8.7	V= 5.123 / 11.4	W= .023778 / 3.3	T= 2.775 / .7
LAT= 48.0	U= 4.994 / 8.8	V= 5.572 / 11.6	W= .017379 / 3.5	T= 2.034 / 1.0
LAT= 54.0	U= 4.957 / 8.9	V= 5.491 / 11.8	W= .011644 / 3.8	T= 1.382 / 1.3
LAT= 60.0	U= 4.621 / 9.1	V= 4.975 / 12.0	W= .007212 / 4.1	T= .883 / 1.6
LAT= 66.0	U= 3.917 / 9.2	V= 4.162 / .2	W= .004030 / 4.6	T= .523 / 2.2
LAT= 72.0	U= 3.163 / 9.4	V= 3.171 / .3	W= .002417 / 4.9	T= .319 / 2.3
LAT= 78.0	U= 2.230 / 9.4	V= 2.069 / .5	W= .001322 / 4.5	T= .155 / 1.8
LAT= 84.0	U= 1.051 / 9.5	V= .912 / .7	W= .000388 / 3.5	T= .039 / .5

Z = 129.367 KM

LAT= 0.0	U= .004 / 7.8	V= 5.276 / 5.3	W= .000006 / 2.0	T= .001 / .4
LAT= 6.0	U= .632 / 8.3	V= 4.898 / 5.3	W= .014832 / 2.2	T= 1.604 / 11.3
LAT= 12.0	U= 1.264 / 8.2	V= 3.869 / 5.6	W= .027476 / 2.2	T= 2.959 / 11.3
LAT= 18.0	U= 1.912 / 8.1	V= 2.538 / 6.3	W= .036245 / 2.3	T= 3.881 / 11.4
LAT= 24.0	U= 2.586 / 7.9	V= 1.836 / 7.9	W= .040284 / 2.3	T= 4.288 / 11.5
LAT= 30.0	U= 3.270 / 7.8	V= 2.651 / 9.5	W= .039704 / 2.4	T= 4.201 / 11.6
LAT= 36.0	U= 3.901 / 7.8	V= 3.847 / 10.1	W= .035468 / 2.6	T= 3.742 / 11.8
LAT= 42.0	U= 4.385 / 7.8	V= 4.729 / 10.5	W= .029032 / 2.8	T= 3.071 / 12.0
LAT= 48.0	U= 4.634 / 7.9	V= 5.133 / 10.8	W= .021885 / 3.0	T= 2.337 / .3
LAT= 54.0	U= 4.600 / 8.1	V= 5.064 / 11.0	W= .015268 / 3.3	T= 1.661 / .6
LAT= 60.0	U= 4.302 / 8.2	V= 4.601 / 11.2	W= .009966 / 3.6	T= 1.117 / .9
LAT= 66.0	U= 3.662 / 8.4	V= 3.862 / 11.4	W= .005951 / 4.1	T= .695 / 1.4
LAT= 72.0	U= 2.978 / 8.5	V= 2.954 / 11.5	W= .003700 / 4.3	T= .426 / 1.5
LAT= 78.0	U= 2.097 / 8.6	V= 1.935 / 11.7	W= .001841 / 3.8	T= .187 / 1.0
LAT= 84.0	U= .985 / 8.7	V= .860 / 12.0	W= .000479 / 2.6	T= .037 / 11.6

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

Z = 135.169 KM										$T_0 = 1200$ K	
LAT= 0.0	U=	.003 / 7.5	V=	5.094 / 4.5	W=	.000007 / 1.1	T=	.001 / 12.0			
LAT= 6.0	U=	.598 / 7.6	V=	4.738 / 4.6	W=	.016249 / 1.5	T=	1.539 / 10.6			
LAT= 12.0	U=	1.201 / 7.5	V=	3.769 / 4.8	W=	.030232 / 1.6	T=	2.859 / 10.7			
LAT= 18.0	U=	1.826 / 7.3	V=	2.523 / 5.5	W=	.040164 / 1.7	T=	3.790 / 10.8			
LAT= 24.0	U=	2.485 / 7.1	V=	1.834 / 7.1	W=	.045070 / 1.8	T=	4.249 / 10.9			
LAT= 30.0	U=	3.151 / 7.0	V=	2.519 / 8.6	W=	.044965 / 1.9	T=	4.243 / 11.1			
LAT= 36.0	U=	3.761 / 7.0	V=	3.607 / 9.3	W=	.040779 / 2.1	T=	3.868 / 11.3			
LAT= 42.0	U=	4.222 / 7.0	V=	4.430 / 9.7	W=	.034009 / 2.3	T=	3.264 / 11.5			
LAT= 48.0	U=	4.452 / 7.1	V=	4.822 / 10.0	W=	.026232 / 2.5	T=	2.564 / 11.8			
LAT= 54.0	U=	4.417 / 7.3	V=	4.783 / 10.2	W=	.018828 / 2.8	T=	1.887 / 11.1			
LAT= 60.0	U=	4.146 / 7.4	V=	4.377 / 10.4	W=	.012717 / 3.2	T=	1.315 / 11.4			
LAT= 66.0	U=	3.549 / 7.6	V=	3.705 / 10.6	W=	.007920 / 3.7	T=	.845 / 11.8			
LAT= 72.0	U=	2.905 / 7.7	V=	2.858 / 10.8	W=	.004975 / 3.8	T=	.518 / 12.1			
LAT= 78.0	U=	2.036 / 7.6	V=	1.888 / 11.0	W=	.002285 / 3.2	T=	.212 / 12.3			
LAT= 84.0	U=	.958 / 7.9	V=	.865 / 11.4	W=	.000523 / 1.5	T=	.031 / 10.9			
Z = 141.772 KM											
LAT= 0.0	U=	.003 / 7.3	V=	4.932 / 3.8	W=	.000009 / .6	T=	.001 / 11.6			
LAT= 6.0	U=	.561 / 6.9	V=	4.599 / 3.8	W=	.017543 / .9	T=	1.447 / 10.1			
LAT= 12.0	U=	1.141 / 6.7	V=	3.689 / 4.1	W=	.032722 / 1.0	T=	2.704 / 10.1			
LAT= 18.0	U=	1.766 / 6.6	V=	2.505 / 4.7	W=	.043659 / 1.1	T=	3.623 / 10.2			
LAT= 24.0	U=	2.432 / 6.4	V=	1.783 / 6.2	W=	.049300 / 1.2	T=	4.119 / 10.4			
LAT= 30.0	U=	3.102 / 6.3	V=	2.342 / 7.8	W=	.049596 / 1.4	T=	4.186 / 10.5			
LAT= 36.0	U=	3.703 / 6.3	V=	3.363 / 8.5	W=	.045479 / 1.6	T=	3.898 / 10.7			
LAT= 42.0	U=	4.149 / 6.4	V=	4.169 / 8.9	W=	.038476 / 1.8	T=	3.369 / 11.0			
LAT= 48.0	U=	4.365 / 6.5	V=	4.586 / 9.2	W=	.030207 / 2.1	T=	2.716 / 11.2			
LAT= 54.0	U=	4.329 / 6.6	V=	4.599 / 9.5	W=	.022145 / 2.4	T=	2.051 / 11.5			
LAT= 60.0	U=	4.082 / 6.7	V=	4.259 / 9.7	W=	.015320 / 2.8	T=	1.466 / 11.8			
LAT= 66.0	U=	3.518 / 6.9	V=	3.646 / 9.9	W=	.009811 / 3.2	T=	.963 / 12.1			
LAT= 72.0	U=	2.902 / 7.0	V=	2.846 / 10.1	W=	.006161 / 3.3	T=	.589 / 12.4			
LAT= 78.0	U=	2.024 / 7.1	V=	1.905 / 10.3	W=	.002651 / 2.6	T=	.231 / 11.7			
LAT= 84.0	U=	.958 / 7.3	V=	.909 / 10.8	W=	.000537 / .6	T=	.024 / 10.4			
Z = 149.425 KM											
LAT= 0.0	U=	.003 / 7.0	V=	4.800 / 3.1	W=	.000011 / .2	T=	.001 / 11.2			
LAT= 6.0	U=	.523 / 6.1	V=	4.491 / 3.1	W=	.018914 / .3	T=	1.351 / 9.5			
LAT= 12.0	U=	1.082 / 6.0	V=	3.641 / 3.4	W=	.035285 / .4	T=	2.538 / 9.6			
LAT= 18.0	U=	1.705 / 5.9	V=	2.513 / 3.9	W=	.047121 / .5	T=	3.427 / 9.7			
LAT= 24.0	U=	2.374 / 5.8	V=	1.728 / 5.3	W=	.053330 / .7	T=	3.941 / 9.9			
LAT= 30.0	U=	3.032 / 5.8	V=	2.127 / 7.0	W=	.053886 / .9	T=	4.064 / 10.0			
LAT= 36.0	U=	3.612 / 5.7	V=	3.083 / 7.8	W=	.049789 / 1.1	T=	3.851 / 10.3			
LAT= 42.0	U=	4.137 / 5.8	V=	3.886 / 8.2	W=	.042607 / 1.4	T=	3.396 / 10.5			
LAT= 48.0	U=	4.239 / 5.9	V=	4.340 / 8.5	W=	.033968 / 1.7	T=	2.795 / 10.8			
LAT= 54.0	U=	4.206 / 6.0	V=	4.414 / 8.8	W=	.025375 / 2.0	T=	2.154 / 11.1			
LAT= 60.0	U=	3.992 / 6.1	V=	4.141 / 9.0	W=	.017908 / 2.3	T=	1.567 / 11.3			
LAT= 66.0	U=	3.468 / 6.3	V=	3.587 / 9.2	W=	.011716 / 2.7	T=	1.046 / 11.6			
LAT= 72.0	U=	2.885 / 6.4	V=	2.832 / 9.4	W=	.007336 / 2.8	T=	.640 / 11.6			
LAT= 78.0	U=	2.008 / 6.4	V=	1.920 / 9.7	W=	.003005 / 2.2	T=	.247 / 11.2			
LAT= 84.0	U=	.958 / 6.6	V=	.954 / 10.2	W=	.000490 / .1	T=	.023 / 10.5			
Z = 158.420 KM											
LAT= 0.0	U=	.003 / 6.7	V=	4.703 / 2.4	W=	.000014 / 11.9	T=	.001 / 10.8			
LAT= 6.0	U=	.486 / 5.4	V=	4.415 / 2.4	W=	.020481 / 11.8	T=	1.264 / 9.0			
LAT= 12.0	U=	1.014 / 5.3	V=	3.623 / 2.7	W=	.038153 / 11.9	T=	2.379 / 9.1			
LAT= 18.0	U=	1.609 / 5.2	V=	2.547 / 3.2	W=	.050885 / 12.0	T=	3.229 / 9.2			
LAT= 24.0	U=	2.244 / 5.2	V=	1.694 / 4.4	W=	.057586 / .2	T=	3.741 / 9.4			
LAT= 30.0	U=	2.861 / 5.2	V=	1.895 / 6.2	W=	.058326 / .4	T=	3.900 / 9.6			
LAT= 36.0	U=	3.404 / 5.2	V=	2.763 / 7.1	W=	.054229 / .6	T=	3.748 / 9.8			
LAT= 42.0	U=	3.807 / 5.2	V=	3.554 / 7.6	W=	.046917 / .9	T=	3.362 / 10.1			
LAT= 48.0	U=	4.005 / 5.3	V=	4.037 / 7.9	W=	.037996 / 1.2	T=	2.817 / 10.3			
LAT= 54.0	U=	3.993 / 5.4	V=	4.168 / 8.2	W=	.023949 / 1.5	T=	2.207 / 10.6			
LAT= 60.0	U=	3.825 / 5.6	V=	3.964 / 8.4	W=	.020111 / 1.8	T=	1.629 / 10.8			
LAT= 66.0	U=	3.363 / 5.7	V=	3.474 / 8.6	W=	.013943 / 2.2	T=	1.103 / 11.1			
LAT= 72.0	U=	2.817 / 5.8	V=	2.770 / 8.8	W=	.008684 / 2.2	T=	.674 / 11.1			
LAT= 78.0	U=	1.959 / 5.8	V=	1.896 / 9.1	W=	.003394 / 1.7	T=	.262 / 10.8			
LAT= 84.0	U=	.943 / 6.1	V=	.976 / 9.7	W=	.000336 / 12.0	T=	.030 / 10.7			

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1200$ K									
Z = 181.310 KM									
LAT= 0.0	U=	.002 / 6.0	V=	4.643 / 1.2	W=	.000019 / 11.5	T=	.001 / 10.4	
LAT= 6.0	U=	.423 / 3.8	V=	4.389 / 1.2	W=	.023955 / 10.8	T=	1.127 / 8.1	
LAT= 12.0	U=	.877 / 3.8	V=	3.684 / 1.4	W=	.044450 / 10.9	T=	2.123 / 8.3	
LAT= 18.0	U=	1.390 / 3.9	V=	2.691 / 1.8	W=	.059077 / 11.0	T=	2.890 / 8.4	
LAT= 24.0	U=	1.941 / 3.9	V=	1.747 / 2.8	W=	.066875 / 11.2	T=	3.377 / 8.7	
LAT= 30.0	U=	2.483 / 4.0	V=	1.528 / 4.5	W=	.068194 / 11.4	T=	3.569 / 8.9	
LAT= 36.0	U=	2.983 / 4.0	V=	2.159 / 5.8	W=	.064388 / 11.7	T=	3.504 / 9.1	
LAT= 42.0	U=	3.382 / 4.1	V=	2.895 / 6.4	W=	.057078 / 12.0	T=	3.229 / 9.4	
LAT= 48.0	U=	3.599 / 4.2	V=	3.418 / 6.8	W=	.047755 / .3	T=	2.788 / 9.6	
LAT= 54.0	U=	3.631 / 4.3	V=	3.655 / 7.1	W=	.037850 / .6	T=	2.250 / 9.9	
LAT= 60.0	U=	3.542 / 4.5	V=	3.590 / 7.3	W=	.028370 / .9	T=	1.703 / 10.0	
LAT= 66.0	U=	3.195 / 4.6	V=	3.236 / 7.5	W=	.019650 / 1.3	T=	1.179 / 10.3	
LAT= 72.0	U=	2.705 / 4.7	V=	2.632 / 7.7	W=	.012166 / 1.3	T=	.723 / 10.2	
LAT= 78.0	U=	1.867 / 4.7	V=	1.827 / 8.0	W=	.004362 / 1.0	T=	.286 / 10.1	
LAT= 84.0	U=	.910 / 5.0	V=	.972 / 8.6	W=	.000339 / 2.9	T=	.052 / 10.6	
Z = 209.865 KM									
LAT= 0.0	U=	.002 / 5.5	V=	4.742 / .3	W=	.000023 / 11.1	T=	.001 / 10.3	
LAT= 6.0	U=	.396 / 2.5	V=	4.505 / .3	W=	.026544 / 10.0	T=	1.058 / 7.7	
LAT= 12.0	U=	.816 / 2.6	V=	3.844 / .5	W=	.049135 / 10.1	T=	1.992 / 7.8	
LAT= 18.0	U=	1.288 / 2.7	V=	2.901 / .9	W=	.065228 / 10.2	T=	2.717 / 8.0	
LAT= 24.0	U=	1.811 / 2.8	V=	1.933 / 1.6	W=	.074067 / 10.4	T=	3.192 / 8.3	
LAT= 30.0	U=	2.350 / 3.0	V=	1.450 / 3.2	W=	.076223 / 10.7	T=	3.407 / 8.5	
LAT= 36.0	U=	2.882 / 3.1	V=	1.841 / 4.7	W=	.073048 / 11.0	T=	3.394 / 8.7	
LAT= 42.0	U=	3.328 / 3.2	V=	2.530 / 5.4	W=	.065956 / 11.3	T=	3.187 / 9.0	
LAT= 48.0	U=	3.578 / 3.3	V=	3.094 / 5.9	W=	.056331 / 11.6	T=	2.810 / 9.2	
LAT= 54.0	U=	3.629 / 3.5	V=	3.422 / 6.2	W=	.047681 / 12.0	T=	2.313 / 9.4	
LAT= 60.0	U=	3.567 / 3.6	V=	3.468 / 6.5	W=	.034957 / .3	T=	1.779 / 9.6	
LAT= 66.0	U=	3.268 / 3.8	V=	3.214 / 6.7	W=	.024619 / .6	T=	1.250 / 9.8	
LAT= 72.0	U=	2.783 / 3.8	V=	2.667 / 6.9	W=	.015103 / .6	T=	.768 / 9.8	
LAT= 78.0	U=	1.910 / 3.8	V=	1.869 / 7.1	W=	.005195 / .5	T=	.310 / 9.7	
LAT= 84.0	U=	.933 / 4.1	V=	1.001 / 7.7	W=	.000877 / 2.5	T=	.070 / 10.2	
Z = 240.988 KM									
LAT= 0.0	U=	.002 / 5.2	V=	4.896 / 11.7	W=	.000027 / 10.7	T=	.001 / 10.3	
LAT= 6.0	U=	.414 / 1.7	V=	4.667 / 11.8	W=	.027913 / 9.4	T=	1.040 / 7.5	
LAT= 12.0	U=	.846 / 1.8	V=	4.024 / 12.0	W=	.051733 / 9.5	T=	1.959 / 7.6	
LAT= 18.0	U=	1.324 / 2.0	V=	3.103 / .3	W=	.068854 / 9.7	T=	2.677 / 7.8	
LAT= 24.0	U=	1.864 / 2.1	V=	2.128 / 1.0	W=	.078509 / 9.9	T=	3.158 / 8.1	
LAT= 30.0	U=	2.440 / 2.3	V=	1.528 / 2.4	W=	.081259 / 10.1	T=	3.390 / 8.3	
LAT= 36.0	U=	3.028 / 2.5	V=	1.774 / 3.9	W=	.078337 / 10.5	T=	3.404 / 8.6	
LAT= 42.0	U=	3.530 / 2.7	V=	2.443 / 4.8	W=	.071043 / 10.8	T=	3.229 / 8.8	
LAT= 48.0	U=	3.810 / 2.8	V=	3.052 / 5.3	W=	.060888 / 11.2	T=	2.877 / 9.0	
LAT= 54.0	U=	3.864 / 3.0	V=	3.449 / 5.7	W=	.049648 / 11.5	T=	2.392 / 9.2	
LAT= 60.0	U=	3.795 / 3.1	V=	3.567 / 6.0	W=	.038202 / 11.8	T=	1.855 / 9.4	
LAT= 66.0	U=	3.493 / 3.3	V=	3.360 / 6.2	W=	.026933 / .2	T=	1.313 / 9.6	
LAT= 72.0	U=	2.976 / 3.3	V=	2.819 / 6.4	W=	.016257 / .2	T=	.805 / 9.6	
LAT= 78.0	U=	2.033 / 3.3	V=	1.986 / 6.6	W=	.005370 / .2	T=	.330 / 9.6	
LAT= 84.0	U=	.999 / 3.6	V=	1.067 / 7.1	W=	.001507 / 2.0	T=	.082 / 10.0	
Z = 272.801 KM									
LAT= 0.0	U=	.002 / 5.0	V=	5.039 / 11.4	W=	.000030 / 10.5	T=	.001 / 10.3	
LAT= 6.0	U=	.451 / 1.2	V=	4.814 / 11.5	W=	.028762 / 8.9	T=	1.045 / 7.4	
LAT= 12.0	U=	.916 / 1.3	V=	4.184 / 11.6	W=	.053472 / 9.0	T=	1.971 / 7.6	
LAT= 18.0	U=	1.423 / 1.5	V=	3.272 / 12.0	W=	.071431 / 9.2	T=	2.697 / 7.8	
LAT= 24.0	U=	1.995 / 1.7	V=	2.289 / .7	W=	.081620 / 9.4	T=	3.188 / 8.0	
LAT= 30.0	U=	2.509 / 2.0	V=	1.631 / 2.0	W=	.084450 / 9.7	T=	3.433 / 8.2	
LAT= 36.0	U=	3.245 / 2.2	V=	1.804 / 3.5	W=	.081115 / 10.1	T=	3.460 / 8.5	
LAT= 42.0	U=	3.789 / 2.4	V=	2.476 / 4.5	W=	.073023 / 10.4	T=	3.297 / 8.7	
LAT= 48.0	U=	4.091 / 2.5	V=	3.124 / 5.0	W=	.062001 / 10.8	T=	2.953 / 8.9	
LAT= 54.0	U=	4.141 / 2.7	V=	3.568 / 5.4	W=	.050220 / 11.2	T=	2.466 / 9.1	
LAT= 60.0	U=	4.054 / 2.8	V=	3.727 / 5.7	W=	.038544 / 11.5	T=	1.918 / 9.3	
LAT= 66.0	U=	3.731 / 3.0	V=	3.543 / 5.9	W=	.027032 / 11.9	T=	1.360 / 9.5	
LAT= 72.0	U=	3.172 / 3.0	V=	2.956 / 6.1	W=	.015975 / 11.9	T=	.835 / 9.5	
LAT= 78.0	U=	2.160 / 3.1	V=	2.105 / 6.3	W=	.004897 / .1	T=	.344 / 9.5	
LAT= 84.0	U=	1.066 / 3.3	V=	1.130 / 6.9	W=	.002026 / 1.9	T=	.089 / 9.9	

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1200$ K									
Z = 304.762 KM									
LAT= 0.0	U= .002 / 4.9	V= 5.159 / 11.2	W= .000032 / 10.2	T= .001 / 10.3					
LAT= 6.0	U= .488 / .9	V= 4.938 / 11.3	W= .029509 / 8.5	T= 1.063 / 7.4					
LAT= 12.0	U= .987 / 1.1	V= 4.316 / 11.5	W= .054995 / 8.6	T= 2.005 / 7.5					
LAT= 18.0	U= 1.524 / 1.3	V= 3.408 / 11.8	W= .073632 / 8.8	T= 2.746 / 7.7					
LAT= 24.0	U= 2.126 / 1.5	V= 2.414 / 11.5	W= .084063 / 9.1	T= 3.249 / 8.0					
LAT= 30.0	U= 2.775 / 1.8	V= 1.719 / 11.7	W= .086514 / 9.4	T= 3.503 / 8.2					
LAT= 36.0	U= 3.445 / 2.0	V= 1.853 / 11.3	W= .082233 / 9.7	T= 3.537 / 8.4					
LAT= 42.0	U= 4.017 / 2.2	V= 2.537 / 11.3	W= .072895 / 10.1	T= 3.377 / 8.7					
LAT= 48.0	U= 4.332 / 2.4	V= 3.218 / 11.3	W= .060706 / 10.5	T= 3.030 / 8.9					
LAT= 54.0	U= 4.377 / 2.5	V= 3.695 / 11.3	W= .048312 / 10.9	T= 2.535 / 9.1					
LAT= 60.0	U= 4.275 / 2.7	V= 3.879 / 11.3	W= .036714 / 11.3	T= 1.975 / 9.2					
LAT= 66.0	U= 3.931 / 2.9	V= 3.705 / 11.3	W= .025506 / 11.6	T= 1.402 / 9.5					
LAT= 72.0	U= 3.335 / 2.9	V= 3.129 / 11.3	W= .014721 / 11.6	T= .860 / 9.4					
LAT= 78.0	U= 2.266 / 2.9	V= 2.205 / 11.8	W= .003967 / 11.8	T= .356 / 9.5					
LAT= 84.0	U= 1.121 / 3.2	V= 1.180 / 11.9	W= .002332 / 11.9	T= .094 / 9.8					
Z = 336.754 KM									
LAT= 0.0	U= .002 / 4.8	V= 5.265 / 11.1	W= .000035 / 10.0	T= .001 / 10.3					
LAT= 6.0	U= .518 / .8	V= 5.047 / 11.2	W= .030400 / 8.2	T= 1.086 / 7.4					
LAT= 12.0	U= 1.046 / 1.0	V= 4.429 / 11.4	W= .056731 / 8.3	T= 2.049 / 7.5					
LAT= 18.0	U= 1.608 / 1.2	V= 3.518 / 11.7	W= .076008 / 8.5	T= 2.805 / 7.7					
LAT= 24.0	U= 2.236 / 1.4	V= 2.510 / 11.4	W= .086535 / 8.7	T= 3.321 / 7.9					
LAT= 30.0	U= 2.909 / 1.7	V= 1.787 / 11.6	W= .086351 / 9.0	T= 3.583 / 8.2					
LAT= 36.0	U= 3.605 / 1.9	V= 1.903 / 11.3	W= .082803 / 9.3	T= 3.620 / 8.4					
LAT= 42.0	U= 4.197 / 2.1	V= 2.600 / 11.3	W= .071901 / 9.7	T= 3.459 / 8.6					
LAT= 48.0	U= 4.523 / 2.3	V= 3.306 / 11.3	W= .058228 / 10.1	T= 3.106 / 8.9					
LAT= 54.0	U= 4.564 / 2.5	V= 3.806 / 11.3	W= .044958 / 10.6	T= 2.601 / 9.1					
LAT= 60.0	U= 4.450 / 2.6	V= 4.006 / 11.3	W= .033481 / 10.9	T= 2.027 / 9.2					
LAT= 66.0	U= 4.087 / 2.8	V= 3.835 / 11.3	W= .022886 / 11.3	T= 1.440 / 9.4					
LAT= 72.0	U= 3.463 / 2.8	V= 3.244 / 11.3	W= .012870 / 11.3	T= .834 / 9.4					
LAT= 78.0	U= 2.349 / 2.9	V= 2.283 / 11.5	W= .002777 / 11.5	T= .366 / 9.4					
LAT= 84.0	U= 1.163 / 3.1	V= 1.219 / 11.6	W= .002450 / 11.6	T= .096 / 9.8					
Z = 368.753 KM									
LAT= 0.0	U= .002 / 4.8	V= 5.367 / 11.1	W= .000039 / 9.8	T= .001 / 10.3					
LAT= 6.0	U= .541 / .7	V= 5.149 / 11.2	W= .031572 / 7.8	T= 1.109 / 7.4					
LAT= 12.0	U= 1.090 / .9	V= 4.529 / 11.3	W= .058962 / 7.9	T= 2.094 / 7.5					
LAT= 18.0	U= 1.673 / 1.1	V= 3.610 / 11.7	W= .079015 / 8.1	T= 2.868 / 7.7					
LAT= 24.0	U= 2.322 / 1.4	V= 2.585 / 11.3	W= .089704 / 8.4	T= 3.395 / 7.9					
LAT= 30.0	U= 3.015 / 1.6	V= 1.842 / 11.6	W= .090071 / 8.6	T= 3.664 / 8.2					
LAT= 36.0	U= 3.730 / 1.9	V= 1.948 / 11.3	W= .083972 / 9.0	T= 3.704 / 8.4					
LAT= 42.0	U= 4.339 / 2.1	V= 2.659 / 11.3	W= .071363 / 9.3	T= 3.540 / 8.6					
LAT= 48.0	U= 4.670 / 2.2	V= 3.386 / 11.3	W= .055919 / 9.7	T= 3.180 / 8.9					
LAT= 54.0	U= 4.710 / 2.4	V= 3.905 / 11.3	W= .041338 / 10.1	T= 2.664 / 9.1					
LAT= 60.0	U= 4.587 / 2.6	V= 4.114 / 11.3	W= .029716 / 10.5	T= 2.077 / 9.2					
LAT= 66.0	U= 4.213 / 2.8	V= 3.943 / 11.3	W= .019738 / 10.9	T= 1.475 / 9.4					
LAT= 72.0	U= 3.567 / 2.8	V= 3.337 / 11.3	W= .010820 / 10.8	T= .905 / 9.4					
LAT= 78.0	U= 2.416 / 2.8	V= 2.347 / 11.4	W= .001674 / 10.4	T= .375 / 9.4					
LAT= 84.0	U= 1.197 / 3.1	V= 1.250 / 11.6	W= .002433 / 11.6	T= .099 / 9.8					
Z = 400.753 KM									
LAT= 0.0	U= .002 / 4.8	V= 5.468 / 11.1	W= .000042 / 9.6	T= .001 / 10.3					
LAT= 6.0	U= .559 / .7	V= 5.248 / 11.1	W= .033036 / 7.5	T= 1.133 / 7.4					
LAT= 12.0	U= 1.123 / .9	V= 4.622 / 11.3	W= .061759 / 7.6	T= 2.138 / 7.5					
LAT= 18.0	U= 1.723 / 1.1	V= 3.640 / 11.7	W= .082834 / 7.8	T= 2.929 / 7.7					
LAT= 24.0	U= 2.388 / 1.3	V= 2.648 / 11.3	W= .093925 / 8.0	T= 3.468 / 7.9					
LAT= 30.0	U= 3.098 / 1.6	V= 1.887 / 11.6	W= .094664 / 8.3	T= 3.743 / 8.2					
LAT= 36.0	U= 3.830 / 1.8	V= 1.989 / 11.3	W= .086602 / 8.6	T= 3.784 / 8.4					
LAT= 42.0	U= 4.451 / 2.0	V= 2.714 / 11.3	W= .072424 / 8.9	T= 3.617 / 8.6					
LAT= 48.0	U= 4.791 / 2.2	V= 3.459 / 11.3	W= .055159 / 9.2	T= 3.250 / 8.9					
LAT= 54.0	U= 4.830 / 2.4	V= 3.901 / 11.3	W= .038864 / 9.6	T= 2.723 / 9.1					
LAT= 60.0	U= 4.702 / 2.6	V= 4.208 / 11.3	W= .026583 / 9.9	T= 2.123 / 9.2					
LAT= 66.0	U= 4.316 / 2.8	V= 4.036 / 11.3	W= .015872 / 10.3	T= 1.508 / 9.4					
LAT= 72.0	U= 3.652 / 2.8	V= 3.416 / 11.3	W= .009188 / 10.1	T= .926 / 9.4					
LAT= 78.0	U= 2.474 / 2.8	V= 2.402 / 11.4	W= .001838 / 8.3	T= .384 / 9.4					
LAT= 84.0	U= 1.226 / 3.1	V= 1.278 / 11.6	W= .002328 / 11.6	T= .102 / 9.8					

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1400$ K										
Z= 100.017 KM										
LAT= 0.0	U=	0.000 / .3	V=	2.327 / 9.9	W=	.000001 / 7.5	T=	0.000 / 4.8		
LAT= 6.0	U=	.231 / 1.1	V=	2.054 / 9.9	W=	.003721 / 7.7	T=	.395 / 5.6		
LAT= 12.0	U=	.537 / 1.0	V=	1.314 / 10.1	W=	.006692 / 7.8	T=	.720 / 5.7		
LAT= 18.0	U=	.946 / 1.0	V=	.340 / 11.1	W=	.008449 / 8.0	T=	.927 / 5.8		
LAT= 24.0	U=	1.425 / 1.0	V=	.836 / 3.5	W=	.008940 / 8.2	T=	1.000 / 6.0		
LAT= 30.0	U=	1.894 / 1.1	V=	1.741 / 3.9	W=	.008432 / 8.5	T=	.955 / 6.2		
LAT= 36.0	U=	2.267 / 1.2	V=	2.376 / 4.1	W=	.007301 / 8.9	T=	.826 / 6.4		
LAT= 42.0	U=	2.479 / 1.2	V=	2.695 / 4.2	W=	.005867 / 9.2	T=	.649 / 6.6		
LAT= 48.0	U=	2.508 / 1.4	V=	2.723 / 4.4	W=	.004363 / 9.6	T=	.464 / 6.9		
LAT= 54.0	U=	2.365 / 1.5	V=	2.526 / 4.5	W=	.002977 / 10.0	T=	.301 / 7.1		
LAT= 60.0	U=	2.078 / 1.5	V=	2.180 / 4.5	W=	.001827 / 10.5	T=	.171 / 7.4		
LAT= 66.0	U=	1.711 / 1.6	V=	1.753 / 4.6	W=	.001061 / 11.0	T=	.092 / 8.0		
LAT= 72.0	U=	1.292 / 1.6	V=	1.295 / 4.6	W=	.000602 / 11.4	T=	.047 / 8.3		
LAT= 78.0	U=	.837 / 1.6	V=	.844 / 4.6	W=	.000342 / 11.9	T=	.022 / 8.8		
LAT= 84.0	U=	.419 / 1.6	V=	.414 / 4.7	W=	.000066 / 10.6	T=	.004 / 7.3		
Z= 103.521 KM										
LAT= 0.0	U=	0.000 / .2	V=	2.736 / 9.6	W=	.000002 / 7.3	T=	0.000 / 4.5		
LAT= 6.0	U=	.300 / .7	V=	2.473 / 9.6	W=	.004174 / 7.0	T=	.473 / 5.0		
LAT= 12.0	U=	.666 / .7	V=	1.735 / 9.8	W=	.007621 / 7.1	T=	.876 / 5.1		
LAT= 18.0	U=	1.138 / .7	V=	.692 / 10.5	W=	.009840 / 7.2	T=	1.157 / 5.2		
LAT= 24.0	U=	1.720 / .7	V=	.757 / 2.8	W=	.010675 / 7.5	T=	1.288 / 5.4		
LAT= 30.0	U=	2.365 / .8	V=	1.966 / 3.5	W=	.010277 / 7.7	T=	1.270 / 5.5		
LAT= 36.0	U=	2.988 / .9	V=	3.026 / 3.8	W=	.008977 / 8.0	T=	1.131 / 5.8		
LAT= 42.0	U=	3.488 / 1.0	V=	3.767 / 3.9	W=	.007168 / 8.4	T=	.912 / 6.0		
LAT= 48.0	U=	3.767 / 1.1	V=	4.110 / 4.1	W=	.005225 / 8.8	T=	.666 / 6.2		
LAT= 54.0	U=	3.769 / 1.2	V=	4.056 / 4.2	W=	.003467 / 9.2	T=	.437 / 6.5		
LAT= 60.0	U=	3.483 / 1.3	V=	3.669 / 4.3	W=	.002073 / 9.7	T=	.254 / 6.9		
LAT= 66.0	U=	2.973 / 1.4	V=	3.052 / 4.4	W=	.001186 / 10.4	T=	.137 / 7.5		
LAT= 72.0	U=	2.308 / 1.4	V=	2.307 / 4.4	W=	.000690 / 11.0	T=	.073 / 7.9		
LAT= 78.0	U=	1.532 / 1.5	V=	1.521 / 4.5	W=	.000446 / 11.3	T=	.041 / 8.3		
LAT= 84.0	U=	.760 / 1.5	V=	.742 / 4.5	W=	.000095 / 10.1	T=	.009 / 7.0		
Z= 107.177 KM										
LAT= 0.0	U=	0.000 / 11.9	V=	3.877 / 9.2	W=	.000003 / 6.8	T=	0.000 / 4.1		
LAT= 6.0	U=	.435 / .3	V=	3.519 / 9.2	W=	.005244 / 6.1	T=	.672 / 4.2		
LAT= 12.0	U=	.956 / .3	V=	2.499 / 9.3	W=	.009556 / 6.2	T=	1.251 / 4.2		
LAT= 18.0	U=	1.624 / .3	V=	1.008 / 9.9	W=	.012600 / 6.3	T=	1.658 / 4.3		
LAT= 24.0	U=	2.441 / .3	V=	.966 / 2.4	W=	.013775 / 6.5	T=	1.847 / 4.4		
LAT= 30.0	U=	3.345 / .3	V=	2.722 / 3.0	W=	.013247 / 6.6	T=	1.817 / 4.5		
LAT= 36.0	U=	4.219 / .3	V=	4.252 / 3.2	W=	.011398 / 6.9	T=	1.602 / 4.7		
LAT= 42.0	U=	4.912 / .4	V=	5.312 / 3.3	W=	.008808 / 7.1	T=	1.272 / 4.9		
LAT= 48.0	U=	5.289 / .4	V=	5.794 / 3.4	W=	.006093 / 7.5	T=	.907 / 5.2		
LAT= 54.0	U=	5.277 / .5	V=	5.708 / 3.5	W=	.003760 / 7.9	T=	.581 / 5.5		
LAT= 60.0	U=	4.870 / .6	V=	5.154 / 3.6	W=	.002058 / 8.5	T=	.330 / 5.9		
LAT= 66.0	U=	4.137 / .6	V=	4.281 / 3.6	W=	.001090 / 9.4	T=	.174 / 6.7		
LAT= 72.0	U=	3.218 / .7	V=	3.233 / 3.7	W=	.000647 / 10.2	T=	.098 / 7.3		
LAT= 78.0	U=	2.161 / .7	V=	2.123 / 3.7	W=	.000451 / 10.3	T=	.061 / 7.3		
LAT= 84.0	U=	1.064 / .7	V=	1.017 / 3.8	W=	.000108 / 9.2	T=	.014 / 6.2		
Z= 111.013 KM										
LAT= 0.0	U=	.003 / 11.0	V=	4.965 / 8.4	W=	.000004 / 5.8	T=	0.000 / 3.1		
LAT= 6.0	U=	.578 / 11.5	V=	4.522 / 8.4	W=	.007024 / 5.1	T=	1.028 / 2.8		
LAT= 12.0	U=	1.246 / 11.5	V=	3.267 / 8.6	W=	.012913 / 5.1	T=	1.898 / 2.9		
LAT= 18.0	U=	2.059 / 11.4	V=	1.464 / 9.1	W=	.016795 / 5.2	T=	2.485 / 2.9		
LAT= 24.0	U=	3.019 / 11.4	V=	1.146 / 1.1	W=	.018260 / 5.3	T=	2.725 / 3.0		
LAT= 30.0	U=	4.057 / 11.4	V=	3.195 / 1.9	W=	.017410 / 5.4	T=	2.629 / 3.2		
LAT= 36.0	U=	5.042 / 11.4	V=	5.022 / 2.1	W=	.014793 / 5.6	T=	2.267 / 3.3		
LAT= 42.0	U=	5.815 / 11.4	V=	6.281 / 2.3	W=	.011229 / 5.8	T=	1.756 / 3.6		
LAT= 48.0	U=	6.229 / 11.5	V=	6.850 / 2.4	W=	.007565 / 6.0	T=	1.220 / 3.8		
LAT= 54.0	U=	6.198 / 11.5	V=	6.747 / 2.5	W=	.004481 / 6.4	T=	.760 / 4.2		
LAT= 60.0	U=	5.731 / 11.6	V=	6.096 / 2.6	W=	.002281 / 6.9	T=	.426 / 4.7		
LAT= 66.0	U=	4.856 / 11.7	V=	5.074 / 2.7	W=	.001077 / 7.8	T=	.225 / 5.6		
LAT= 72.0	U=	3.807 / 11.7	V=	3.841 / 2.7	W=	.000609 / 8.8	T=	.137 / 6.2		
LAT= 78.0	U=	2.599 / 11.8	V=	2.515 / 2.8	W=	.000441 / 8.6	T=	.084 / 5.9		
LAT= 84.0	U=	1.265 / 11.8	V=	1.174 / 2.9	W=	.000111 / 7.5	T=	.022 / 4.8		

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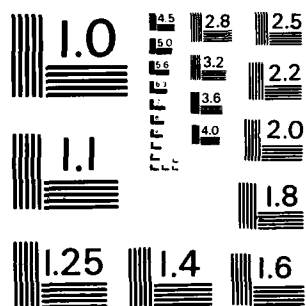
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Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1400$ K										
Z = 115.091 KM										
LAT= 0.0	U=	.004 / 9.9	V=	5.459 / 7.5	W=	.000005 / 4.7	T=	0.000 / 1.9		
LAT= 6.0	U=	.654 / 10.6	V=	5.007 / 7.6	W=	.009102 / 4.1	T=	1.480 / 1.4		
LAT= 12.0	U=	1.370 / 10.5	V=	3.740 / 7.8	W=	.016724 / 4.1	T=	2.715 / 1.5		
LAT= 18.0	U=	2.191 / 10.5	V=	1.968 / 8.4	W=	.021744 / 4.2	T=	3.519 / 1.6		
LAT= 24.0	U=	3.117 / 10.4	V=	1.290 / 11.3	W=	.023646 / 4.2	T=	3.813 / 1.7		
LAT= 30.0	U=	4.094 / 10.4	V=	3.095 / 1.6	W=	.022594 / 4.3	T=	3.630 / 1.8		
LAT= 36.0	U=	5.017 / 10.4	V=	4.903 / 1.0	W=	.019304 / 4.4	T=	3.093 / 1.9		
LAT= 42.0	U=	5.745 / 10.4	V=	6.175 / 1.2	W=	.014809 / 4.6	T=	2.373 / 2.1		
LAT= 48.0	U=	6.144 / 10.5	V=	6.771 / 1.3	W=	.010168 / 4.8	T=	1.639 / 2.4		
LAT= 54.0	U=	6.125 / 10.5	V=	6.705 / 1.5	W=	.006200 / 5.0	T=	1.021 / 2.8		
LAT= 60.0	U=	5.695 / 10.6	V=	6.090 / 1.6	W=	.003286 / 5.3	T=	.573 / 3.2		
LAT= 66.0	U=	4.838 / 10.7	V=	5.100 / 1.7	W=	.001538 / 6.0	T=	.304 / 4.0		
LAT= 72.0	U=	3.851 / 10.8	V=	3.881 / 1.8	W=	.000793 / 6.7	T=	.185 / 4.5		
LAT= 78.0	U=	2.668 / 10.9	V=	2.541 / 1.9	W=	.000533 / 6.6	T=	.109 / 4.0		
LAT= 84.0	U=	1.282 / 10.9	V=	1.158 / 2.0	W=	.000162 / 5.4	T=	.031 / 2.8		
Z = 119.451 KM										
LAT= 0.0	U=	.004 / 8.8	V=	5.469 / 6.7	W=	.000005 / 3.4	T=	0.000 / .7		
LAT= 6.0	U=	.655 / 9.7	V=	5.053 / 6.7	W=	.011182 / 3.2	T=	1.847 / .3		
LAT= 12.0	U=	1.341 / 9.6	V=	3.895 / 6.9	W=	.020598 / 3.2	T=	3.388 / .4		
LAT= 18.0	U=	2.085 / 9.5	V=	2.321 / 7.6	W=	.026904 / 3.3	T=	4.391 / .4		
LAT= 24.0	U=	2.890 / 9.5	V=	1.511 / 9.7	W=	.029478 / 3.3	T=	4.765 / .5		
LAT= 30.0	U=	3.724 / 9.4	V=	2.798 / 11.3	W=	.028497 / 3.4	T=	4.554 / .6		
LAT= 36.0	U=	4.509 / 9.4	V=	4.368 / 11.9	W=	.024782 / 3.5	T=	3.916 / .8		
LAT= 42.0	U=	5.132 / 9.4	V=	5.510 / .1	W=	.019522 / 3.7	T=	3.052 / 1.0		
LAT= 48.0	U=	5.481 / 9.5	V=	6.061 / .3	W=	.013944 / 3.8	T=	2.166 / 1.2		
LAT= 54.0	U=	5.476 / 9.6	V=	6.024 / .5	W=	.009021 / 4.0	T=	1.403 / 1.5		
LAT= 60.0	U=	5.120 / 9.7	V=	5.497 / .7	W=	.005234 / 4.3	T=	.830 / 1.8		
LAT= 66.0	U=	4.364 / 9.8	V=	4.624 / .8	W=	.002727 / 4.8	T=	.461 / 2.5		
LAT= 72.0	U=	3.528 / 9.9	V=	3.535 / .9	W=	.001525 / 5.2	T=	.278 / 2.8		
LAT= 78.0	U=	2.472 / 10.0	V=	2.313 / 1.0	W=	.000873 / 5.0	T=	.149 / 2.3		
LAT= 84.0	U=	1.172 / 10.0	V=	1.033 / 1.3	W=	.000278 / 4.0	T=	.045 / 1.1		
Z = 124.175 KM										
LAT= 0.0	U=	.004 / 8.0	V=	5.218 / 5.8	W=	.000007 / 2.3	T=	0.000 / 11.9		
LAT= 6.0	U=	.621 / 8.8	V=	4.844 / 5.9	W=	.013122 / 2.5	T=	2.010 / 11.5		
LAT= 12.0	U=	1.251 / 8.8	V=	3.814 / 6.1	W=	.024271 / 2.5	T=	3.698 / 11.5		
LAT= 18.0	U=	1.904 / 8.7	V=	2.449 / 6.8	W=	.031927 / 2.6	T=	4.825 / 11.6		
LAT= 24.0	U=	2.593 / 8.6	V=	1.696 / 8.6	W=	.035344 / 2.6	T=	5.286 / 11.7		
LAT= 30.0	U=	3.301 / 8.5	V=	2.599 / 10.2	W=	.034662 / 2.7	T=	5.124 / 11.8		
LAT= 36.0	U=	3.969 / 8.5	V=	3.901 / 10.8	W=	.030743 / 2.8	T=	4.492 / 11.9		
LAT= 42.0	U=	4.503 / 8.5	V=	4.876 / 11.1	W=	.024876 / 3.0	T=	3.597 / .1		
LAT= 48.0	U=	4.807 / 8.6	V=	5.349 / 11.4	W=	.018439 / 3.1	T=	2.648 / .3		
LAT= 54.0	U=	4.809 / 8.7	V=	5.313 / 11.6	W=	.012556 / 3.4	T=	1.805 / .6		
LAT= 60.0	U=	4.513 / 8.8	V=	4.849 / 11.8	W=	.007832 / 3.6	T=	1.139 / .9		
LAT= 66.0	U=	3.857 / 9.0	V=	4.082 / 11.9	W=	.004475 / 4.1	T=	.675 / 1.5		
LAT= 72.0	U=	3.153 / 9.1	V=	3.123 / .1	W=	.002705 / 4.3	T=	.414 / 1.6		
LAT= 78.0	U=	2.217 / 9.1	V=	2.038 / .2	W=	.001388 / 3.9	T=	.197 / 1.0		
LAT= 84.0	U=	1.038 / 9.2	V=	.895 / .6	W=	.000411 / 2.9	T=	.054 / 11.7		
Z = 129.367 KM										
LAT= 0.0	U=	.003 / 7.3	V=	4.881 / 5.0	W=	.000008 / 1.4	T=	0.000 / 11.3		
LAT= 6.0	U=	.577 / 8.1	V=	4.540 / 5.1	W=	.014757 / 1.8	T=	1.990 / 10.8		
LAT= 12.0	U=	1.153 / 8.0	V=	3.611 / 5.4	W=	.027425 / 1.9	T=	3.684 / 10.9		
LAT= 18.0	U=	1.739 / 7.8	V=	2.407 / 6.0	W=	.036358 / 1.9	T=	4.854 / 10.9		
LAT= 24.0	U=	2.354 / 7.7	V=	1.766 / 7.7	W=	.040690 / 2.0	T=	5.390 / 11.0		
LAT= 30.0	U=	2.993 / 7.6	V=	2.491 / 9.2	W=	.040468 / 2.1	T=	5.318 / 11.2		
LAT= 36.0	U=	3.599 / 7.5	V=	3.602 / 9.9	W=	.036538 / 2.2	T=	4.769 / 11.3		
LAT= 42.0	U=	4.082 / 7.6	V=	4.446 / 10.2	W=	.030236 / 2.4	T=	3.928 / 11.5		
LAT= 48.0	U=	4.357 / 7.6	V=	4.849 / 10.5	W=	.023064 / 2.6	T=	2.996 / 11.7		
LAT= 54.0	U=	4.363 / 7.8	V=	4.804 / 10.7	W=	.016301 / 2.8	T=	2.132 / 12.0		
LAT= 60.0	U=	4.100 / 7.9	V=	4.379 / 10.9	W=	.010683 / 3.1	T=	1.418 / .3		
LAT= 66.0	U=	3.512 / 8.1	V=	3.684 / 11.1	W=	.006493 / 3.6	T=	.886 / .7		
LAT= 72.0	U=	2.882 / 8.2	V=	2.819 / 11.3	W=	.004076 / 3.7	T=	.546 / .7		
LAT= 78.0	U=	2.021 / 8.3	V=	1.839 / 11.4	W=	.001936 / 3.1	T=	.234 / .2		
LAT= 84.0	U=	.938 / 8.4	V=	.808 / 11.9	W=	.000524 / 1.9	T=	.054 / 10.7		

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 1400 K

Z = 135.169 KM

LAT= 0.0	U= .003 / 6.9	V= 4.562 / 4.3	W= .000010 / .7	T= 0.000 / 10.8
LAT= 6.0	U= .535 / 7.4	V= 4.246 / 4.3	W= .015984 / 1.2	T= 1.874 / 10.2
LAT= 12.0	U= 1.070 / 7.2	V= 3.387 / 4.6	W= .029837 / 1.2	T= 3.491 / 10.3
LAT= 18.0	U= 1.621 / 7.0	V= 2.290 / 5.3	W= .039839 / 1.3	T= 4.650 / 10.3
LAT= 24.0	U= 2.215 / 6.9	V= 1.729 / 6.9	W= .045014 / 1.4	T= 5.242 / 10.5
LAT= 30.0	U= 2.840 / 6.7	V= 2.389 / 8.3	W= .045309 / 1.5	T= 5.269 / 10.6
LAT= 36.0	U= 3.432 / 6.7	V= 3.400 / 9.0	W= .041509 / 1.7	T= 4.833 / 10.8
LAT= 42.0	U= 3.897 / 6.7	V= 4.172 / 9.4	W= .034947 / 1.9	T= 4.087 / 10.9
LAT= 48.0	U= 4.158 / 6.8	V= 4.546 / 9.7	W= .027212 / 2.1	T= 3.211 / 11.2
LAT= 54.0	U= 4.162 / 6.9	V= 4.512 / 9.9	W= .019732 / 2.4	T= 2.366 / 11.5
LAT= 60.0	U= 3.918 / 7.1	V= 4.129 / 10.1	W= .013358 / 2.7	T= 1.635 / 11.7
LAT= 66.0	U= 3.368 / 7.3	V= 3.487 / 10.3	W= .008448 / 3.1	T= 1.056 / .1
LAT= 72.0	U= 2.771 / 7.4	V= 2.681 / 10.5	W= .005366 / 3.2	T= .650 / .1
LAT= 78.0	U= 1.926 / 7.4	V= 1.758 / 10.7	W= .002386 / 2.5	T= .259 / 11.5
LAT= 84.0	U= .893 / 7.6	V= .797 / 11.2	W= .000610 / .8	T= .049 / 9.7

Z = 141.772 KM

LAT= 0.0	U= 0.000 / 6.6	V= 4.292 / 3.5	W= .000011 / .3	T= 0.000 / 10.4
LAT= 6.0	U= .497 / 6.6	V= 3.998 / 3.6	W= .016886 / .6	T= 1.724 / 9.6
LAT= 12.0	U= 1.008 / 6.5	V= 3.196 / 3.8	W= .031614 / .6	T= 3.234 / 9.7
LAT= 18.0	U= 1.556 / 6.3	V= 2.167 / 4.5	W= .042422 / .7	T= 4.354 / 9.8
LAT= 24.0	U= 2.157 / 6.1	V= 1.627 / 6.1	W= .048259 / .8	T= 4.977 / 9.9
LAT= 30.0	U= 2.793 / 6.0	V= 2.242 / 7.6	W= .048995 / 1.0	T= 5.092 / 10.0
LAT= 36.0	U= 3.389 / 6.0	V= 3.208 / 8.2	W= .045358 / 1.2	T= 4.765 / 10.2
LAT= 42.0	U= 3.845 / 6.0	V= 3.964 / 8.6	W= .038670 / 1.4	T= 4.121 / 10.4
LAT= 48.0	U= 4.037 / 6.1	V= 4.354 / 8.9	W= .030559 / 1.7	T= 3.316 / 10.7
LAT= 54.0	U= 4.105 / 6.2	V= 4.362 / 9.1	W= .022556 / 2.0	T= 2.505 / 10.9
LAT= 60.0	U= 3.878 / 6.3	V= 4.029 / 9.3	W= .015603 / 2.3	T= 1.779 / 11.2
LAT= 66.0	U= 3.351 / 6.5	V= 3.439 / 9.5	W= .010121 / 2.7	T= 1.174 / 11.6
LAT= 72.0	U= 2.771 / 6.6	V= 2.674 / 9.7	W= .006414 / 2.7	T= .721 / 11.5
LAT= 78.0	U= 1.313 / 6.7	V= 1.778 / 9.9	W= .002690 / 1.9	T= .273 / 10.9
LAT= 84.0	U= .894 / 6.9	V= .851 / 10.5	W= .000666 / 11.9	T= .042 / 8.9

Z = 149.425 KM

LAT= 0.0	U= 0.000 / 6.2	V= 4.051 / 2.7	W= .000013 / .0	T= 0.000 / 10.1
LAT= 6.0	U= .465 / 5.9	V= 3.789 / 2.8	W= .017653 / .0	T= 1.577 / 9.0
LAT= 12.0	U= .961 / 5.8	V= 3.044 / 3.1	W= .033093 / .0	T= 2.974 / 9.1
LAT= 18.0	U= 1.509 / 5.6	V= 2.068 / 3.7	W= .044513 / .1	T= 4.036 / 9.2
LAT= 24.0	U= 2.115 / 5.5	V= 1.496 / 5.2	W= .050826 / .3	T= 4.666 / 9.3
LAT= 30.0	U= 2.746 / 5.4	V= 2.035 / 6.8	W= .051869 / .5	T= 4.838 / 9.5
LAT= 36.0	U= 3.326 / 5.4	V= 2.968 / 7.5	W= .048368 / .7	T= 4.601 / 9.7
LAT= 42.0	U= 3.760 / 5.4	V= 3.728 / 7.9	W= .041631 / .9	T= 4.050 / 9.9
LAT= 48.0	U= 3.998 / 5.5	V= 4.151 / 8.2	W= .033284 / 1.2	T= 3.319 / 10.1
LAT= 54.0	U= 4.014 / 5.6	V= 4.212 / 8.4	W= .024911 / 1.5	T= 2.554 / 10.4
LAT= 60.0	U= 3.817 / 5.7	V= 3.940 / 8.6	W= .017511 / 1.8	T= 1.846 / 10.6
LAT= 66.0	U= 3.321 / 5.9	V= 3.403 / 8.8	W= .011549 / 2.2	T= 1.237 / 11.0
LAT= 72.0	U= 2.768 / 5.9	V= 2.681 / 9.0	W= .007246 / 2.1	T= .756 / 10.9
LAT= 78.0	U= 1.905 / 6.0	V= 1.813 / 9.3	W= .002879 / 1.4	T= .281 / 10.4
LAT= 84.0	U= .904 / 6.3	V= .922 / 10.0	W= .000633 / 11.3	T= .036 / 8.4

Z = 158.420 KM

LAT= 0.0	U= 0.000 / 5.8	V= 3.855 / 2.0	W= .000015 / 11.7	T= 0.000 / 9.7
LAT= 6.0	U= .438 / 5.1	V= 3.606 / 2.1	W= .018412 / 11.4	T= 1.447 / 8.3
LAT= 12.0	U= .910 / 5.1	V= 2.917 / 2.3	W= .034542 / 11.4	T= 2.734 / 8.4
LAT= 18.0	U= 1.434 / 5.0	V= 1.989 / 2.9	W= .046533 / 11.6	T= 3.730 / 8.5
LAT= 24.0	U= 2.005 / 4.9	V= 1.352 / 4.4	W= .053267 / 11.7	T= 4.341 / 8.7
LAT= 30.0	U= 2.590 / 4.8	V= 1.759 / 6.1	W= .054555 / 11.9	T= 4.541 / 8.9
LAT= 36.0	U= 3.122 / 4.8	V= 2.653 / 6.6	W= .051230 / .1	T= 4.369 / 9.1
LAT= 42.0	U= 3.522 / 4.9	V= 3.404 / 7.3	W= .044505 / .3	T= 3.899 / 9.2
LAT= 48.0	U= 3.748 / 4.9	V= 3.856 / 7.5	W= .036012 / .6	T= 3.240 / 9.5
LAT= 54.0	U= 3.786 / 5.0	V= 3.958 / 7.8	W= .027332 / .9	T= 2.525 / 9.6
LAT= 60.0	U= 3.638 / 5.1	V= 3.758 / 8.0	W= .019500 / 1.2	T= 1.651 / 10.0
LAT= 66.0	U= 3.200 / 5.2	V= 3.282 / 8.2	W= .013028 / 1.6	T= 1.253 / 10.3
LAT= 72.0	U= 2.683 / 5.3	V= 2.613 / 8.4	W= .008047 / 1.5	T= .759 / 10.3
LAT= 78.0	U= 1.846 / 5.3	V= 1.793 / 8.7	W= .002995 / .9	T= .281 / 9.8
LAT= 84.0	U= .892 / 5.7	V= .961 / 9.4	W= .000462 / 10.8	T= .029 / 8.5

Table B2. Amplitude and Phase for the (2,3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 1400 K

Z = 181.310 KM

LAT= 0.0	U= 0.000 / 5.0	V= 3.529 / .6	W= .000021 / 11.1	T= 0.000 / 9.3
LAT= 6.0	U= .382 / 3.7	V= 3.322 / .6	W= .020111 / 10.2	T= 1.228 / 7.2
LAT= 12.0	U= .790 / 3.6	V= 2.741 / .8	W= .037812 / 10.3	T= 2.322 / 7.3
LAT= 18.0	U= 1.233 / 3.6	V= 1.915 / 1.2	W= .051150 / 10.4	T= 3.179 / 7.4
LAT= 24.0	U= 1.699 / 3.6	V= 1.143 / 2.4	W= .058966 / 10.5	T= 3.723 / 7.6
LAT= 30.0	U= 2.167 / 3.6	V= 1.169 / 4.4	W= .061072 / 10.7	T= 3.935 / 7.8
LAT= 36.0	U= 2.597 / 3.6	V= 1.885 / 5.5	W= .058236 / 11.0	T= 3.847 / 8.0
LAT= 42.0	U= 2.927 / 3.6	V= 2.585 / 6.0	W= .051731 / 11.2	T= 3.509 / 8.2
LAT= 48.0	U= 3.127 / 3.7	V= 3.065 / 6.3	W= .043058 / 11.5	T= 2.986 / 8.5
LAT= 54.0	U= 3.200 / 3.8	V= 3.271 / 6.6	W= .033739 / 11.8	T= 2.379 / 8.7
LAT= 60.0	U= 3.142 / 3.9	V= 3.192 / 6.8	W= .024866 / .0	T= 1.781 / 8.9
LAT= 66.0	U= 2.829 / 4.0	V= 2.853 / 7.0	W= .017089 / .3	T= 1.230 / 9.1
LAT= 72.0	U= 2.380 / 4.0	V= 2.307 / 7.2	W= .010265 / .2	T= .733 / 9.0
LAT= 78.0	U= 1.621 / 4.1	V= 1.608 / 7.5	W= .003362 / 11.8	T= .269 / 8.8
LAT= 84.0	U= .800 / 4.5	V= .916 / 8.2	W= .000082 / 6.8	T= .036 / 9.3

Z = 209.865 KM

LAT= 0.0	U= 0.000 / 4.4	V= 3.361 / 11.4	W= .000025 / 10.4	T= 0.000 / 9.2
LAT= 6.0	U= .312 / 2.3	V= 3.188 / 11.4	W= .022180 / 9.1	T= 1.075 / 6.3
LAT= 12.0	U= .645 / 2.3	V= 2.703 / 11.6	W= .041561 / 9.2	T= 2.033 / 6.5
LAT= 18.0	U= 1.014 / 2.3	V= 1.988 / 11.9	W= .056045 / 9.4	T= 2.783 / 6.6
LAT= 24.0	U= 1.404 / 2.3	V= 1.210 / .6	W= .064629 / 9.5	T= 3.275 / 6.8
LAT= 30.0	U= 1.794 / 2.4	V= .825 / 2.5	W= .067338 / 9.7	T= 3.490 / 7.1
LAT= 36.0	U= 2.166 / 2.4	V= 1.265 / 4.1	W= .065040 / 10.0	T= 3.461 / 7.3
LAT= 42.0	U= 2.459 / 2.5	V= 1.880 / 4.8	W= .058905 / 10.2	T= 3.221 / 7.5
LAT= 48.0	U= 2.629 / 2.6	V= 2.359 / 5.2	W= .050286 / 10.5	T= 2.802 / 7.7
LAT= 54.0	U= 2.700 / 2.7	V= 2.627 / 5.5	W= .040573 / 10.8	T= 2.279 / 7.9
LAT= 60.0	U= 2.691 / 2.8	V= 2.655 / 5.7	W= .030824 / 11.0	T= 1.740 / 8.0
LAT= 66.0	U= 2.476 / 2.9	V= 2.436 / 5.9	W= .021833 / 11.3	T= 1.228 / 8.2
LAT= 72.0	U= 2.089 / 2.9	V= 2.000 / 6.1	W= .013185 / 11.1	T= .729 / 8.1
LAT= 78.0	U= 1.410 / 3.0	V= 1.400 / 6.3	W= .004415 / 10.9	T= .270 / 8.0
LAT= 84.0	U= .693 / 3.4	V= .796 / 7.1	W= .000144 / 1.1	T= .047 / 8.7

Z = 240.988 KM

LAT= 0.0	U= 0.000 / 4.0	V= 3.347 / 10.5	W= .000029 / 9.7	T= 0.000 / 9.2
LAT= 6.0	U= .248 / 1.1	V= 3.193 / 10.5	W= .024289 / 8.4	T= 1.001 / 5.8
LAT= 12.0	U= .520 / 1.1	V= 2.754 / 10.7	W= .045099 / 8.5	T= 1.888 / 6.0
LAT= 18.0	U= .830 / 1.2	V= 2.103 / 11.0	W= .060159 / 8.6	T= 2.584 / 6.2
LAT= 24.0	U= 1.174 / 1.3	V= 1.370 / 11.5	W= .068880 / 8.8	T= 3.049 / 6.4
LAT= 30.0	U= 1.532 / 1.4	V= .822 / .9	W= .071815 / 9.0	T= 3.270 / 6.6
LAT= 36.0	U= 1.893 / 1.5	V= .965 / 2.9	W= .069980 / 9.2	T= 3.277 / 6.9
LAT= 42.0	U= 2.190 / 1.5	V= 1.476 / 3.8	W= .064289 / 9.5	T= 3.096 / 7.0
LAT= 48.0	U= 2.351 / 1.6	V= 1.930 / 4.3	W= .055885 / 9.8	T= 2.739 / 7.2
LAT= 54.0	U= 2.411 / 1.8	V= 2.228 / 4.6	W= .046029 / 10.0	T= 2.259 / 7.4
LAT= 60.0	U= 2.420 / 1.9	V= 2.321 / 4.8	W= .035648 / 10.2	T= 1.748 / 7.5
LAT= 66.0	U= 2.269 / 2.0	V= 2.184 / 5.0	W= .025685 / 10.5	T= 1.252 / 7.7
LAT= 72.0	U= 1.928 / 2.0	V= 1.827 / 5.2	W= .015607 / 10.4	T= .747 / 7.5
LAT= 78.0	U= 1.304 / 2.1	V= 1.291 / 5.4	W= .005493 / 10.3	T= .288 / 7.4
LAT= 84.0	U= .643 / 2.4	V= .728 / 6.1	W= .000814 / 11.7	T= .060 / 8.0

Z = 272.801 KM

LAT= 0.0	U= 0.000 / 3.6	V= 3.434 / 9.9	W= .000034 / 9.3	T= 0.000 / 9.2
LAT= 6.0	U= .223 / .1	V= 3.280 / 9.9	W= .025967 / 7.9	T= .972 / 5.6
LAT= 12.0	U= .466 / .2	V= 2.847 / 10.1	W= .047929 / 7.9	T= 1.830 / 5.7
LAT= 18.0	U= .749 / .3	V= 2.215 / 10.4	W= .063493 / 8.1	T= 2.503 / 5.9
LAT= 24.0	U= 1.075 / .5	V= 1.501 / 10.9	W= .072387 / 8.3	T= 2.960 / 6.2
LAT= 30.0	U= 1.431 / .6	V= .916 / .0	W= .075574 / 8.5	T= 3.185 / 6.4
LAT= 36.0	U= 1.810 / .7	V= .886 / 1.9	W= .074111 / 8.7	T= 3.214 / 6.6
LAT= 42.0	U= 2.132 / .9	V= 1.313 / 3.0	W= .068633 / 9.0	T= 3.064 / 6.8
LAT= 48.0	U= 2.300 / 1.0	V= 1.752 / 3.6	W= .060205 / 9.3	T= 2.737 / 7.0
LAT= 54.0	U= 2.347 / 1.2	V= 2.070 / 3.9	W= .050101 / 9.6	T= 2.278 / 7.1
LAT= 60.0	U= 2.358 / 1.3	V= 2.205 / 4.2	W= .039101 / 9.8	T= 1.775 / 7.2
LAT= 66.0	U= 2.232 / 1.4	V= 2.114 / 4.4	W= .028240 / 10.0	T= 1.260 / 7.4
LAT= 72.0	U= 1.903 / 1.4	V= 1.791 / 4.5	W= .017023 / 9.9	T= .767 / 7.2
LAT= 78.0	U= 1.293 / 1.4	V= 1.279 / 4.8	W= .006021 / 10.0	T= .303 / 7.2
LAT= 84.0	U= .644 / 1.8	V= .724 / 5.4	W= .001535 / 11.4	T= .071 / 7.6

Table B2. Amplitude and Phase for the (2, 3) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200, \text{ and } 1400 \text{ K}$ (contd)

T₀ = 1400 K

Z = 304.762 KM

LAT= 0.0	U= 0.000 / 3.3	V= 3.548 / 9.5	W= .000038 / 9.0	T= 0.000 / 9.2
LAT= 6.0	U= .228 / 11.4	V= 3.393 / 9.6	W= .026981 / 7.5	T= .965 / 5.4
LAT= 12.0	U= .472 / 11.5	V= 2.958 / 9.7	W= .049773 / 7.6	T= 1.817 / 5.6
LAT= 18.0	U= .752 / 11.7	V= 2.325 / 10.0	W= .065908 / 7.7	T= 2.484 / 5.8
LAT= 24.0	U= 1.082 / 11.9	V= 1.613 / 10.5	W= .075166 / 7.9	T= 2.939 / 6.0
LAT= 30.0	U= 1.451 / .1	V= 1.010 / 11.5	W= .078629 / 8.1	T= 3.171 / 6.3
LAT= 36.0	U= 1.855 / .3	V= .899 / 1.3	W= .077312 / 8.4	T= 3.210 / 6.5
LAT= 42.0	U= 2.204 / .4	V= 1.280 / 2.5	W= .071700 / 8.7	T= 3.077 / 6.7
LAT= 48.0	U= 2.381 / .6	V= 1.720 / 3.2	W= .062985 / 9.0	T= 2.764 / 6.8
LAT= 54.0	U= 2.420 / .8	V= 2.058 / 3.5	W= .052585 / 9.3	T= 2.310 / 7.0
LAT= 60.0	U= 2.423 / .9	V= 2.221 / 3.8	W= .041107 / 9.5	T= 1.806 / 7.1
LAT= 66.0	U= 2.298 / 1.0	V= 2.154 / 4.0	W= .029553 / 9.7	T= 1.307 / 7.2
LAT= 72.0	U= 1.958 / 1.0	V= 1.836 / 4.1	W= .017547 / 9.6	T= .785 / 7.1
LAT= 78.0	U= 1.321 / 1.1	V= 1.316 / 4.3	W= .006023 / 9.8	T= .316 / 7.1
LAT= 84.0	U= .667 / 1.4	V= .747 / 5.0	W= .002071 / 11.4	T= .078 / 7.4

Z = 336.754 KM

LAT= 0.0	U= 0.000 / 3.1	V= 3.657 / 9.3	W= .000042 / 8.8	T= 0.000 / 9.2
LAT= 6.0	U= .244 / 11.0	V= 3.501 / 9.3	W= .027321 / 7.2	T= .971 / 5.3
LAT= 12.0	U= .501 / 11.1	V= 3.064 / 9.5	W= .050519 / 7.3	T= 1.827 / 5.5
LAT= 18.0	U= .792 / 11.3	V= 2.428 / 9.8	W= .067092 / 7.4	T= 2.498 / 5.7
LAT= 24.0	U= 1.136 / 11.6	V= 1.710 / 10.3	W= .076672 / 7.6	T= 2.956 / 6.0
LAT= 30.0	U= 1.522 / 11.8	V= 1.092 / 11.3	W= .080277 / 7.9	T= 3.195 / 6.2
LAT= 36.0	U= 1.951 / .0	V= .938 / 1.0	W= .078852 / 8.1	T= 3.242 / 6.4
LAT= 42.0	U= 2.321 / .2	V= 1.301 / 2.3	W= .072864 / 8.4	T= 3.114 / 6.6
LAT= 48.0	U= 2.508 / .3	V= 1.749 / 2.9	W= .063755 / 8.7	T= 2.805 / 6.8
LAT= 54.0	U= 2.539 / .5	V= 2.106 / 3.3	W= .053157 / 9.0	T= 2.351 / 6.9
LAT= 60.0	U= 2.532 / .7	V= 2.289 / 3.6	W= .041502 / 9.2	T= 1.841 / 7.0
LAT= 66.0	U= 2.400 / .8	V= 2.232 / 3.7	W= .029637 / 9.5	T= 1.334 / 7.2
LAT= 72.0	U= 2.038 / .8	V= 1.907 / 3.9	W= .017308 / 9.4	T= .803 / 7.0
LAT= 78.0	U= 1.383 / .8	V= 1.367 / 4.1	W= .005636 / 9.7	T= .325 / 7.0
LAT= 84.0	U= .696 / 1.1	V= .777 / 4.7	W= .002397 / 11.4	T= .084 / 7.3

Z = 368.753 KM

LAT= 0.0	U= 0.000 / 3.0	V= 3.752 / 9.2	W= .000046 / 8.6	T= 0.000 / 9.2
LAT= 6.0	U= .261 / 10.7	V= 3.596 / 9.2	W= .027054 / 7.0	T= .984 / 5.3
LAT= 12.0	U= .535 / 10.9	V= 3.159 / 9.4	W= .050178 / 7.1	T= 1.852 / 5.5
LAT= 18.0	U= .840 / 11.1	V= 2.519 / 9.7	W= .066881 / 7.2	T= 2.532 / 5.7
LAT= 24.0	U= 1.198 / 11.4	V= 1.792 / 10.1	W= .076572 / 7.4	T= 2.998 / 5.9
LAT= 30.0	U= 1.601 / 11.6	V= 1.156 / 11.1	W= .080110 / 7.6	T= 3.241 / 6.2
LAT= 36.0	U= 2.049 / 11.9	V= .978 / .8	W= .078378 / 7.9	T= 3.292 / 6.4
LAT= 42.0	U= 2.437 / .0	V= 1.337 / 2.1	W= .071893 / 8.2	T= 3.167 / 6.6
LAT= 48.0	U= 2.630 / .2	V= 1.796 / 2.8	W= .062389 / 8.5	T= 2.856 / 6.7
LAT= 54.0	U= 2.656 / .4	V= 2.169 / 3.2	W= .051752 / 8.8	T= 2.395 / 6.9
LAT= 60.0	U= 2.639 / .5	V= 2.366 / 3.4	W= .040273 / 9.1	T= 1.877 / 7.0
LAT= 66.0	U= 2.499 / .7	V= 2.314 / 3.6	W= .028545 / 9.3	T= 1.362 / 7.1
LAT= 72.0	U= 2.117 / .6	V= 1.978 / 3.7	W= .016414 / 9.2	T= .819 / 7.0
LAT= 78.0	U= 1.434 / .7	V= 1.416 / 4.0	W= .004983 / 9.6	T= .333 / 7.0
LAT= 84.0	U= .723 / 1.0	V= .803 / 4.6	W= .002538 / 11.5	T= .087 / 7.3

Z = 400.753 KM

LAT= 0.0	U= 0.000 / 2.9	V= 3.833 / 9.1	W= .000050 / 8.5	T= 0.000 / 9.2
LAT= 6.0	U= .276 / 10.6	V= 3.678 / 9.1	W= .026251 / 6.8	T= 1.001 / 5.3
LAT= 12.0	U= .562 / 10.8	V= 3.240 / 9.3	W= .048837 / 6.9	T= 1.885 / 5.5
LAT= 18.0	U= .880 / 11.0	V= 2.594 / 9.6	W= .065326 / 7.0	T= 2.576 / 5.7
LAT= 24.0	U= 1.251 / 11.3	V= 1.855 / 10.1	W= .074887 / 7.2	T= 3.051 / 5.9
LAT= 30.0	U= 1.668 / 11.5	V= 1.204 / 11.0	W= .078181 / 7.4	T= 3.298 / 6.2
LAT= 36.0	U= 2.131 / 11.8	V= 1.012 / .7	W= .076015 / 7.7	T= 3.352 / 6.4
LAT= 42.0	U= 2.532 / .0	V= 1.371 / 2.0	W= .068978 / 8.0	T= 3.227 / 6.6
LAT= 48.0	U= 2.728 / .1	V= 1.843 / 2.7	W= .059106 / 8.3	T= 2.911 / 6.7
LAT= 54.0	U= 2.752 / .3	V= 2.229 / 3.1	W= .048574 / 8.7	T= 2.443 / 6.9
LAT= 60.0	U= 2.729 / .5	V= 2.435 / 3.4	W= .037585 / 8.9	T= 1.915 / 7.0
LAT= 66.0	U= 2.581 / .6	V= 2.385 / 3.5	W= .026403 / 9.1	T= 1.390 / 7.1
LAT= 72.0	U= 2.182 / .6	V= 2.039 / 3.7	W= .014971 / 9.0	T= .837 / 7.0
LAT= 78.0	U= 1.476 / .6	V= 1.458 / 3.9	W= .004142 / 9.5	T= .341 / 7.0
LAT= 84.0	U= .745 / 1.0	V= .824 / 4.5	W= .002534 / 11.6	T= .090 / 7.3

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K

$T_0 = 600$ K									
Z = 100.017 KM									
LAT= 0.0	U=	.599 / 7.6	V=	0.000 / 8.3	W=	.010392 / 2.3	T=	.907 / 11.8	
LAT= 6.0	U=	.631 / 7.6	V=	1.357 / 10.7	W=	.008722 / 2.3	T=	.760 / 11.8	
LAT= 12.0	U=	.656 / 7.6	V=	2.192 / 10.7	W=	.004259 / 2.4	T=	.371 / 11.8	
LAT= 18.0	U=	.511 / 7.5	V=	2.197 / 10.7	W=	.001605 / 8.1	T=	.135 / 6.1	
LAT= 24.0	U=	.097 / 6.0	V=	1.385 / 10.7	W=	.007084 / 8.3	T=	.599 / 6.0	
LAT= 30.0	U=	.704 / 2.0	V=	.053 / 10.6	W=	.010816 / 8.4	T=	.904 / 6.0	
LAT= 36.0	U=	1.609 / 1.9	V=	1.381 / 4.8	W=	.012143 / 8.5	T=	1.000 / 6.0	
LAT= 42.0	U=	2.441 / 1.9	V=	2.540 / 4.8	W=	.011257 / 8.6	T=	.913 / 6.1	
LAT= 48.0	U=	2.994 / 1.9	V=	3.210 / 4.9	W=	.008937 / 8.8	T=	.714 / 6.2	
LAT= 54.0	U=	3.168 / 1.9	V=	3.360 / 4.9	W=	.006147 / 9.0	T=	.484 / 5.4	
LAT= 60.0	U=	2.977 / 2.0	V=	3.091 / 4.9	W=	.003669 / 9.2	T=	.285 / 6.6	
LAT= 66.0	U=	2.519 / 2.0	V=	2.560 / 5.0	W=	.001884 / 9.6	T=	.143 / 6.9	
LAT= 72.0	U=	1.936 / 2.0	V=	1.907 / 5.0	W=	.001071 / 10.3	T=	.080 / 7.4	
LAT= 78.0	U=	1.216 / 2.0	V=	1.234 / 5.0	W=	.000352 / 10.4	T=	.022 / 7.3	
LAT= 84.0	U=	.614 / 2.0	V=	.609 / 5.1	W=	.000111 / 7.9	T=	.008 / 4.9	
Z = 103.521 KM									
LAT= 0.0	U=	.990 / 6.6	V=	0.000 / 1.2	W=	.013566 / 1.2	T=	1.306 / 10.7	
LAT= 6.0	U=	1.023 / 6.6	V=	1.993 / 9.6	W=	.011403 / 1.2	T=	1.103 / 10.8	
LAT= 12.0	U=	1.036 / 6.5	V=	3.280 / 9.6	W=	.005648 / 1.4	T=	.561 / 10.8	
LAT= 18.0	U=	.828 / 6.4	V=	3.414 / 9.7	W=	.002091 / 6.5	T=	.155 / 4.4	
LAT= 24.0	U=	.238 / 5.6	V=	2.300 / 9.8	W=	.009021 / 7.1	T=	.821 / 4.8	
LAT= 30.0	U=	.867 / 1.0	V=	.498 / 10.4	W=	.013753 / 7.3	T=	1.278 / 4.9	
LAT= 36.0	U=	2.195 / .8	V=	1.736 / 3.5	W=	.015392 / 7.5	T=	1.444 / 5.0	
LAT= 42.0	U=	3.504 / .8	V=	3.623 / 3.6	W=	.014214 / 7.6	T=	1.342 / 5.2	
LAT= 48.0	U=	4.481 / .8	V=	4.853 / 3.7	W=	.011247 / 7.9	T=	1.068 / 5.3	
LAT= 54.0	U=	4.924 / .8	V=	5.296 / 3.8	W=	.007727 / 8.2	T=	.738 / 5.6	
LAT= 60.0	U=	4.794 / .9	V=	5.039 / 3.9	W=	.004645 / 8.5	T=	.446 / 5.9	
LAT= 66.0	U=	4.180 / .9	V=	4.291 / 3.9	W=	.002450 / 9.1	T=	.234 / 6.4	
LAT= 72.0	U=	3.202 / 1.0	V=	3.270 / 4.0	W=	.001468 / 9.8	T=	.138 / 7.0	
LAT= 78.0	U=	2.158 / 1.1	V=	2.150 / 4.1	W=	.000629 / 10.0	T=	.056 / 7.1	
LAT= 84.0	U=	1.008 / 1.1	V=	1.033 / 4.2	W=	.000155 / 7.7	T=	.014 / 4.9	
Z = 107.177 KM									
LAT= 0.0	U=	1.461 / 5.4	V=	0.000 / 11.9	W=	.016516 / 11.9	T=	1.813 / 9.4	
LAT= 6.0	U=	1.481 / 5.4	V=	2.588 / 8.3	W=	.013922 / 11.9	T=	1.543 / 9.5	
LAT= 12.0	U=	1.456 / 5.3	V=	4.313 / 8.3	W=	.007043 / .1	T=	.821 / 9.6	
LAT= 18.0	U=	1.178 / 5.2	V=	4.622 / 8.4	W=	.002285 / 5.0	T=	.178 / 2.2	
LAT= 24.0	U=	.457 / 4.7	V=	3.446 / 8.6	W=	.010381 / 5.8	T=	1.045 / 3.3	
LAT= 30.0	U=	.835 / 11.7	V=	1.274 / 9.4	W=	.015862 / 6.0	T=	1.662 / 3.5	
LAT= 36.0	U=	2.431 / 11.5	V=	1.781 / 1.7	W=	.017651 / 6.2	T=	1.895 / 3.7	
LAT= 42.0	U=	4.059 / 11.5	V=	4.162 / 2.2	W=	.016155 / 6.4	T=	1.772 / 3.9	
LAT= 48.0	U=	5.241 / 11.5	V=	5.832 / 2.4	W=	.012653 / 6.7	T=	1.419 / 4.2	
LAT= 54.0	U=	6.004 / 11.6	V=	6.535 / 2.5	W=	.008617 / 7.0	T=	.991 / 4.5	
LAT= 60.0	U=	5.963 / 11.7	V=	6.335 / 2.7	W=	.005165 / 7.5	T=	.613 / 4.9	
LAT= 66.0	U=	5.278 / 11.6	V=	5.472 / 2.8	W=	.002734 / 8.0	T=	.333 / 5.4	
LAT= 72.0	U=	4.205 / 11.9	V=	4.214 / 2.9	W=	.001697 / 8.8	T=	.210 / 6.1	
LAT= 78.0	U=	2.875 / .0	V=	2.786 / 3.0	W=	.000714 / 8.8	T=	.087 / 5.9	
LAT= 84.0	U=	1.404 / .0	V=	1.322 / 3.1	W=	.000168 / 6.7	T=	.021 / 3.9	
Z = 111.019 KM									
LAT= 0.0	U=	1.817 / 4.2	V=	0.000 / 10.6	W=	.019131 / 10.6	T=	2.319 / 8.0	
LAT= 6.0	U=	1.810 / 4.2	V=	2.830 / 7.1	W=	.016238 / 10.6	T=	1.991 / 8.0	
LAT= 12.0	U=	1.723 / 4.0	V=	4.776 / 7.1	W=	.008557 / 10.8	T=	1.117 / 8.2	
LAT= 18.0	U=	1.394 / 3.9	V=	5.262 / 7.2	W=	.001892 / 3.4	T=	.188 / 11.6	
LAT= 24.0	U=	.667 / 3.4	V=	4.203 / 7.4	W=	.010872 / 4.5	T=	1.167 / 1.8	
LAT= 30.0	U=	.646 / 10.8	V=	2.076 / 8.1	W=	.017025 / 4.7	T=	1.924 / 2.1	
LAT= 36.0	U=	2.191 / 10.3	V=	1.491 / 11.6	W=	.019083 / 4.9	T=	2.223 / 2.3	
LAT= 42.0	U=	3.820 / 10.3	V=	3.796 / .8	W=	.017507 / 5.1	T=	2.096 / 2.5	
LAT= 48.0	U=	5.158 / 10.3	V=	5.612 / 1.1	W=	.013717 / 5.3	T=	1.694 / 2.8	
LAT= 54.0	U=	5.920 / 10.4	V=	6.492 / 1.3	W=	.009346 / 5.7	T=	1.201 / 3.2	
LAT= 60.0	U=	5.991 / 10.5	V=	6.418 / 1.5	W=	.005620 / 6.1	T=	.762 / 3.6	
LAT= 66.0	U=	5.384 / 10.6	V=	5.637 / 1.6	W=	.002972 / 6.7	T=	.427 / 4.2	
LAT= 72.0	U=	4.371 / 10.8	V=	4.399 / 1.8	W=	.001859 / 7.4	T=	.280 / 4.8	
LAT= 78.0	U=	3.050 / 10.8	V=	2.927 / 1.9	W=	.000748 / 7.1	T=	.112 / 4.4	
LAT= 84.0	U=	1.479 / 10.9	V=	1.379 / 2.1	W=	.000174 / 4.9	T=	.023 / 2.3	

Table B3. Amplitude and Phase for the (2,4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 600$ K										
Z = 115.091 KM										
LAT= 0.0	U=	1.969 / 3.0	V=	0.000 / 9.4	W=	.022016 / 9.3	T=	2.744 / 6.6		
LAT= 6.0	U=	1.931 / 3.0	V=	2.734 / 5.9	W=	.018863 / 9.4	T=	2.376 / 6.6		
LAT= 12.0	U=	1.786 / 2.9	V=	4.686 / 6.0	W=	.010466 / 9.5	T=	1.397 / 6.8		
LAT= 18.0	U=	1.432 / 2.6	V=	5.362 / 6.1	W=	.001240 / 1.3	T=	.238 / 8.9		
LAT= 24.0	U=	.776 / 2.2	V=	4.492 / 6.3	W=	.010950 / 3.3	T=	1.178 / .3		
LAT= 30.0	U=	.473 / 10.3	V=	2.659 / 6.9	W=	.017960 / 3.5	T=	2.040 / .7		
LAT= 36.0	U=	1.732 / 9.3	V=	1.335 / 9.4	W=	.020576 / 3.6	T=	2.402 / .9		
LAT= 42.0	U=	3.141 / 9.2	V=	2.959 / 11.3	W=	.019212 / 3.8	T=	2.298 / 1.2		
LAT= 48.0	U=	4.346 / 9.2	V=	4.659 / 11.8	W=	.015338 / 4.1	T=	1.886 / 1.4		
LAT= 54.0	U=	5.095 / 9.3	V=	5.583 / .1	W=	.010681 / 4.4	T=	1.365 / 1.8		
LAT= 60.0	U=	5.265 / 9.4	V=	5.674 / .4	W=	.006588 / 4.7	T=	.890 / 2.2		
LAT= 66.0	U=	4.816 / 9.6	V=	5.089 / .6	W=	.003549 / 5.2	T=	.512 / 2.7		
LAT= 72.0	U=	4.014 / 9.8	V=	4.031 / .7	W=	.002227 / 5.9	T=	.340 / 3.3		
LAT= 78.0	U=	2.850 / 9.8	V=	2.720 / .9	W=	.000909 / 5.3	T=	.132 / 2.7		
LAT= 84.0	U=	1.375 / 9.9	V=	1.289 / 1.2	W=	.000248 / 3.2	T=	.028 / .5		
Z = 119.451 KM										
LAT= 0.0	U=	1.992 / 2.3	V=	0.000 / 8.3	W=	.025411 / 8.3	T=	3.005 / 5.4		
LAT= 6.0	U=	1.933 / 1.9	V=	2.521 / 4.8	W=	.021996 / 8.3	T=	2.625 / 5.4		
LAT= 12.0	U=	1.749 / 1.8	V=	4.350 / 4.9	W=	.012861 / 8.5	T=	1.610 / 5.6		
LAT= 18.0	U=	1.394 / 1.5	V=	5.023 / 5.1	W=	.001447 / 10.3	T=	.349 / 7.0		
LAT= 24.0	U=	.819 / 1.1	V=	4.438 / 5.3	W=	.010902 / 2.2	T=	1.094 / 11.1		
LAT= 30.0	U=	.372 / 10.1	V=	2.944 / 5.8	W=	.019070 / 2.4	T=	2.020 / 11.4		
LAT= 36.0	U=	1.299 / 8.4	V=	1.465 / 7.5	W=	.022580 / 2.6	T=	2.448 / 11.7		
LAT= 42.0	U=	2.455 / 8.2	V=	2.204 / 9.9	W=	.021720 / 2.8	T=	2.398 / 11.9		
LAT= 48.0	U=	3.478 / 8.2	V=	3.641 / 10.7	W=	.017932 / 3.0	T=	2.023 / .2		
LAT= 54.0	U=	4.160 / 8.3	V=	4.531 / 11.1	W=	.013006 / 3.3	T=	1.510 / .6		
LAT= 60.0	U=	4.386 / 8.5	V=	4.728 / 11.3	W=	.008431 / 3.6	T=	1.023 / .9		
LAT= 66.0	U=	4.079 / 8.6	V=	4.332 / 11.6	W=	.004757 / 4.0	T=	.609 / 1.4		
LAT= 72.0	U=	3.493 / 8.8	V=	3.503 / 11.8	W=	.003042 / 4.5	T=	.403 / 1.8		
LAT= 78.0	U=	2.510 / 8.8	V=	2.390 / .0	W=	.001256 / 3.9	T=	.155 / 1.3		
LAT= 84.0	U=	1.208 / 8.9	V=	1.149 / .3	W=	.000336 / 2.1	T=	.030 / 11.3		
Z = 124.175 KM										
LAT= 0.0	U=	1.966 / 1.0	V=	0.000 / 7.5	W=	.029228 / 7.5	T=	3.068 / 4.5		
LAT= 6.0	U=	1.896 / 1.0	V=	2.283 / 3.9	W=	.025543 / 7.5	T=	2.701 / 4.5		
LAT= 12.0	U=	1.696 / .8	V=	3.968 / 4.0	W=	.015634 / 7.6	T=	1.723 / 4.7		
LAT= 18.0	U=	1.355 / .6	V=	4.650 / 4.1	W=	.002836 / 8.7	T=	.478 / 5.7		
LAT= 24.0	U=	.839 / .2	V=	4.247 / 4.4	W=	.010863 / 1.3	T=	.956 / 10.0		
LAT= 30.0	U=	.308 / 10.0	V=	3.014 / 4.8	W=	.020432 / 1.5	T=	1.901 / 10.5		
LAT= 36.0	U=	.954 / 7.5	V=	1.626 / 6.1	W=	.025109 / 1.7	T=	2.387 / 10.7		
LAT= 42.0	U=	1.916 / 7.2	V=	1.707 / 8.5	W=	.024981 / 1.9	T=	2.414 / 11.0		
LAT= 48.0	U=	2.786 / 7.3	V=	2.837 / 9.6	W=	.021412 / 2.1	T=	2.109 / 11.3		
LAT= 54.0	U=	3.392 / 7.4	V=	3.647 / 10.1	W=	.016242 / 2.4	T=	1.640 / 11.6		
LAT= 60.0	U=	3.637 / 7.5	V=	3.896 / 10.4	W=	.011118 / 2.7	T=	1.162 / 11.9		
LAT= 66.0	U=	3.426 / 7.7	V=	3.636 / 10.7	W=	.006627 / 3.0	T=	.720 / .3		
LAT= 72.0	U=	3.000 / 8.0	V=	2.990 / 10.9	W=	.004364 / 3.5	T=	.479 / .6		
LAT= 78.0	U=	2.163 / 8.0	V=	2.067 / 11.1	W=	.001740 / 2.9	T=	.180 / .1		
LAT= 84.0	U=	1.043 / 8.1	V=	1.015 / 11.6	W=	.000384 / 1.2	T=	.025 / 10.8		
Z = 129.367 KM										
LAT= 0.0	U=	1.909 / .2	V=	0.000 / 6.7	W=	.033207 / 6.7	T=	2.981 / 3.8		
LAT= 6.0	U=	1.836 / .2	V=	2.077 / 3.0	W=	.029256 / 6.8	T=	2.647 / 3.8		
LAT= 12.0	U=	1.639 / .0	V=	3.628 / 3.1	W=	.018586 / 6.9	T=	1.747 / 4.0		
LAT= 18.0	U=	1.318 / 11.8	V=	4.295 / 3.3	W=	.004634 / 7.8	T=	.586 / 4.9		
LAT= 24.0	U=	.841 / 11.4	V=	4.003 / 3.5	W=	.010111 / .4	T=	.817 / 9.1		
LAT= 30.0	U=	.266 / 10.0	V=	2.971 / 3.9	W=	.021983 / .7	T=	1.741 / 9.7		
LAT= 36.0	U=	.711 / 6.5	V=	1.721 / 4.9	W=	.027993 / .9	T=	2.273 / 10.0		
LAT= 42.0	U=	1.549 / 6.3	V=	1.424 / 7.2	W=	.028750 / 1.2	T=	2.378 / 10.2		
LAT= 48.0	U=	2.307 / 6.3	V=	2.258 / 8.5	W=	.025501 / 1.4	T=	2.154 / 10.5		
LAT= 54.0	U=	2.843 / 6.5	V=	2.972 / 9.1	W=	.020120 / 1.7	T=	1.744 / 10.8		
LAT= 60.0	U=	3.081 / 6.7	V=	3.241 / 9.5	W=	.014423 / 2.0	T=	1.290 / 11.1		
LAT= 66.0	U=	2.920 / 6.9	V=	3.076 / 9.8	W=	.009011 / 2.3	T=	.832 / 11.4		
LAT= 72.0	U=	2.596 / 7.1	V=	2.569 / 10.1	W=	.006084 / 2.7	T=	.558 / 11.7		
LAT= 78.0	U=	1.874 / 7.1	V=	1.799 / 10.3	W=	.002302 / 2.1	T=	.205 / 11.3		
LAT= 84.0	U=	.903 / 7.3	V=	.905 / 10.8	W=	.000364 / .3	T=	.020 / 10.8		

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 600$ K										
Z= 135.169 KM										
LAT= 0.0	U=	1.828 / 11.5	V=	0.000 / .5	W=	.037137 / 6.1	T=	2.823 / 3.2		
LAT= 6.0	U=	1.760 / 11.4	V=	1.911 / 2.2	W=	.032928 / 6.1	T=	2.524 / 3.3		
LAT= 12.0	U=	1.577 / 11.2	V=	3.351 / 2.3	W=	.021523 / 6.3	T=	1.717 / 3.4		
LAT= 18.0	U=	1.276 / 11.0	V=	4.000 / 2.5	W=	.006559 / 7.2	T=	.665 / 4.3		
LAT= 24.0	U=	.820 / 10.8	V=	3.789 / 2.7	W=	.011170 / 11.5	T=	.710 / 8.2		
LAT= 30.0	U=	.226 / 9.8	V=	2.906 / 3.1	W=	.023660 / .0	T=	1.589 / 9.0		
LAT= 36.0	U=	.592 / 5.5	V=	1.780 / 4.0	W=	.031016 / .3	T=	2.148 / 9.3		
LAT= 42.0	U=	1.365 / 5.4	V=	1.285 / 6.0	W=	.032700 / .5	T=	2.323 / 9.6		
LAT= 48.0	U=	2.046 / 5.4	V=	1.870 / 7.5	W=	.029822 / .8	T=	2.174 / 9.9		
LAT= 54.0	U=	2.523 / 5.6	V=	2.503 / 8.2	W=	.024273 / 1.1	T=	1.822 / 10.2		
LAT= 60.0	U=	2.741 / 5.8	V=	2.785 / 8.6	W=	.018023 / 1.4	T=	1.397 / 10.5		
LAT= 66.0	U=	2.597 / 6.0	V=	2.688 / 9.0	W=	.011678 / 1.8	T=	.929 / 10.6		
LAT= 72.0	U=	2.328 / 6.3	V=	2.283 / 9.3	W=	.008022 / 2.1	T=	.630 / 11.0		
LAT= 78.0	U=	1.668 / 6.3	V=	1.622 / 9.5	W=	.002908 / 1.0	T=	.229 / 10.7		
LAT= 84.0	U=	.810 / 6.5	V=	.842 / 10.0	W=	.000284 / 11.4	T=	.021 / 11.0		
Z= 141.772 KM										
LAT= 0.0	U=	1.737 / 10.8	V=	0.000 / 11.7	W=	.041078 / 5.5	T=	2.644 / 2.7		
LAT= 6.0	U=	1.676 / 10.7	V=	1.780 / 1.5	W=	.036577 / 5.5	T=	2.379 / 2.8		
LAT= 12.0	U=	1.512 / 10.6	V=	3.135 / 1.6	W=	.024380 / 5.7	T=	1.661 / 3.0		
LAT= 18.0	U=	1.227 / 10.4	V=	3.778 / 1.7	W=	.008460 / 6.6	T=	.718 / 3.8		
LAT= 24.0	U=	.778 / 10.2	V=	3.636 / 1.9	W=	.011779 / 10.8	T=	.647 / 7.4		
LAT= 30.0	U=	.174 / 9.5	V=	2.871 / 2.3	W=	.025485 / 11.4	T=	1.462 / 8.4		
LAT= 36.0	U=	.578 / 4.6	V=	1.845 / 3.1	W=	.034061 / 11.7	T=	2.036 / 8.8		
LAT= 42.0	U=	1.316 / 4.6	V=	1.248 / 4.8	W=	.036608 / .0	T=	2.263 / 9.1		
LAT= 48.0	U=	1.950 / 4.7	V=	1.639 / 6.5	W=	.034106 / .3	T=	2.180 / 9.4		
LAT= 54.0	U=	2.385 / 4.9	V=	2.215 / 7.3	W=	.028438 / .6	T=	1.878 / 9.7		
LAT= 60.0	U=	2.585 / 5.1	V=	2.515 / 7.8	W=	.021685 / 1.0	T=	1.480 / 9.9		
LAT= 66.0	U=	2.442 / 5.2	V=	2.474 / 8.2	W=	.014444 / 1.3	T=	1.010 / 10.2		
LAT= 72.0	U=	2.199 / 5.5	V=	2.140 / 8.4	W=	.010046 / 1.6	T=	.691 / 10.4		
LAT= 78.0	U=	1.561 / 5.5	V=	1.545 / 8.7	W=	.003565 / 1.1	T=	.253 / 10.2		
LAT= 84.0	U=	.766 / 5.7	V=	.830 / 9.2	W=	.000174 / 10.7	T=	.029 / 10.9		
Z= 149.425 KM										
LAT= 0.0	U=	1.648 / 10.1	V=	0.000 / 11.1	W=	.045262 / 5.0	T=	2.471 / 2.3		
LAT= 6.0	U=	1.595 / 10.1	V=	1.682 / .8	W=	.040393 / 5.0	T=	2.234 / 2.3		
LAT= 12.0	U=	1.446 / 10.0	V=	2.980 / .8	W=	.027237 / 5.2	T=	1.592 / 2.6		
LAT= 18.0	U=	1.170 / 9.9	V=	3.624 / 1.0	W=	.010271 / 6.2	T=	.750 / 3.4		
LAT= 24.0	U=	.722 / 9.8	V=	3.545 / 1.2	W=	.012759 / 10.1	T=	.617 / 6.7		
LAT= 30.0	U=	.115 / 9.3	V=	2.874 / 1.6	W=	.027507 / 10.8	T=	1.361 / 7.9		
LAT= 36.0	U=	.602 / 3.9	V=	1.927 / 2.3	W=	.037140 / 11.2	T=	1.934 / 8.3		
LAT= 42.0	U=	1.314 / 4.0	V=	1.275 / 3.9	W=	.040440 / 11.5	T=	2.201 / 8.6		
LAT= 48.0	U=	1.916 / 4.1	V=	1.514 / 5.6	W=	.038299 / 11.9	T=	2.169 / 8.9		
LAT= 54.0	U=	2.326 / 4.2	V=	2.052 / 6.5	W=	.032564 / .2	T=	1.912 / 9.2		
LAT= 60.0	U=	2.521 / 4.4	V=	2.373 / 7.0	W=	.025365 / .6	T=	1.539 / 9.5		
LAT= 66.0	U=	2.383 / 4.5	V=	2.377 / 7.4	W=	.017266 / .9	T=	1.070 / 9.7		
LAT= 72.0	U=	2.157 / 4.8	V=	2.092 / 7.7	W=	.012122 / 1.2	T=	.739 / 10.0		
LAT= 78.0	U=	1.525 / 4.7	V=	1.540 / 7.9	W=	.004307 / .8	T=	.276 / 9.7		
LAT= 84.0	U=	.759 / 4.9	V=	.857 / 8.4	W=	.000132 / 1.1	T=	.038 / 10.5		
Z= 158.420 KM										
LAT= 0.0	U=	1.572 / 9.5	V=	0.000 / 9.2	W=	.049725 / 4.5	T=	2.319 / 1.9		
LAT= 6.0	U=	1.523 / 9.4	V=	1.621 / .1	W=	.044410 / 4.5	T=	2.106 / 2.0		
LAT= 12.0	U=	1.381 / 9.4	V=	2.884 / .2	W=	.030123 / 4.8	T=	1.525 / 2.3		
LAT= 18.0	U=	1.112 / 9.4	V=	3.537 / .4	W=	.011972 / 5.8	T=	.767 / 3.1		
LAT= 24.0	U=	.674 / 9.4	V=	3.507 / .6	W=	.013965 / 9.5	T=	.609 / 6.1		
LAT= 30.0	U=	.086 / 10.1	V=	2.906 / 1.0	W=	.029668 / 10.3	T=	1.283 / 7.4		
LAT= 36.0	U=	.610 / 3.2	V=	2.014 / 1.6	W=	.040233 / 10.7	T=	1.847 / 7.9		
LAT= 42.0	U=	1.299 / 3.3	V=	1.327 / 3.0	W=	.044201 / 11.1	T=	2.138 / 8.3		
LAT= 48.0	U=	1.882 / 3.5	V=	1.447 / 4.8	W=	.042415 / 11.4	T=	2.148 / 8.6		
LAT= 54.0	U=	2.285 / 3.6	V=	1.957 / 5.8	W=	.036678 / 11.8	T=	1.929 / 8.9		
LAT= 60.0	U=	2.493 / 3.8	V=	2.306 / 6.3	W=	.029100 / .1	T=	1.578 / 9.1		
LAT= 66.0	U=	2.375 / 3.9	V=	2.348 / 6.7	W=	.020157 / .5	T=	1.115 / 9.4		
LAT= 72.0	U=	2.168 / 4.1	V=	2.100 / 7.0	W=	.014240 / .7	T=	.774 / 9.6		
LAT= 78.0	U=	1.535 / 4.1	V=	1.572 / 7.3	W=	.005799 / .5	T=	.298 / 9.4		
LAT= 84.0	U=	.775 / 4.3	V=	.905 / 7.7	W=	.000510 / 1.9	T=	.050 / 10.1		

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 800$ K									
Z = 181.310 KM									
LAT= 0.0	U= 1.485 / 8.4	V= 0.000 / 3.6	W= .057717 / 3.6	T= 2.128 / 1.4					
LAT= 6.0	U= 1.435 / 8.4	V= 1.595 / 11.0	W= .051550 / 3.7	T= 1.942 / 1.5					
LAT= 12.0	U= 1.292 / 8.4	V= 2.854 / 11.1	W= .035135 / 4.0	T= 1.437 / 1.8					
LAT= 18.0	U= 1.031 / 8.6	V= 3.538 / 11.3	W= .014773 / 5.0	T= .785 / 2.7					
LAT= 24.0	U= .627 / 8.9	V= 3.573 / 11.5	W= .016204 / 8.5	T= .614 / 5.4					
LAT= 30.0	U= .225 / 11.2	V= 3.053 / 11.9	W= .033511 / 9.4	T= 1.191 / 6.8					
LAT= 36.0	U= .693 / 1.7	V= 2.215 / .5	W= .045611 / 9.9	T= 1.735 / 7.4					
LAT= 42.0	U= 1.362 / 2.2	V= 1.470 / 1.7	W= .050669 / 10.3	T= 2.056 / 7.8					
LAT= 48.0	U= 1.956 / 2.4	V= 1.411 / 3.5	W= .049511 / 10.7	T= 2.120 / 8.1					
LAT= 54.0	U= 2.386 / 2.6	V= 1.898 / 4.6	W= .043918 / 11.1	T= 1.953 / 8.4					
LAT= 60.0	U= 2.639 / 2.7	V= 2.324 / 5.3	W= .035857 / 11.5	T= 1.635 / 8.7					
LAT= 66.0	U= 2.559 / 2.9	V= 2.457 / 5.7	W= .025454 / 11.8	T= 1.178 / 8.9					
LAT= 72.0	U= 2.374 / 3.0	V= 2.257 / 6.0	W= .018054 / .0	T= .824 / 9.1					
LAT= 78.0	U= 1.673 / 3.0	V= 1.722 / 6.2	W= .006437 / .1	T= .332 / 9.0					
LAT= 84.0	U= .865 / 3.3	V= 1.035 / 6.7	W= .001689 / 1.6	T= .076 / 9.5					
Z = 209.865 KM									
LAT= 0.0	U= 1.491 / 7.7	V= 0.000 / .8	W= .062308 / 3.3	T= 2.082 / 1.2					
LAT= 6.0	U= 1.438 / 7.7	V= 1.641 / 10.3	W= .055665 / 3.1	T= 1.905 / 1.3					
LAT= 12.0	U= 1.286 / 7.8	V= 2.943 / 10.4	W= .038038 / 3.4	T= 1.423 / 1.6					
LAT= 18.0	U= 1.021 / 8.1	V= 3.672 / 10.6	W= .016286 / 4.4	T= .806 / 2.5					
LAT= 24.0	U= .641 / 8.7	V= 3.752 / 10.9	W= .017289 / 7.8	T= .631 / 5.1					
LAT= 30.0	U= .401 / 11.0	V= 3.268 / 11.3	W= .035600 / 8.8	T= 1.174 / 6.5					
LAT= 36.0	U= .877 / .9	V= 2.439 / 11.9	W= .048516 / 9.3	T= 1.716 / 7.1					
LAT= 42.0	U= 1.569 / 1.4	V= 1.642 / 1.0	W= .053936 / 9.7	T= 2.056 / 7.5					
LAT= 48.0	U= 2.204 / 1.7	V= 1.475 / 2.7	W= .052786 / 10.1	T= 2.148 / 7.9					
LAT= 54.0	U= 2.672 / 1.9	V= 1.957 / 4.0	W= .047106 / 10.6	T= 2.005 / 8.2					
LAT= 60.0	U= 2.955 / 2.1	V= 2.462 / 4.6	W= .038908 / 11.0	T= 1.698 / 8.4					
LAT= 66.0	U= 2.878 / 2.3	V= 2.674 / 5.1	W= .027903 / 11.3	T= 1.234 / 8.6					
LAT= 72.0	U= 2.691 / 2.4	V= 2.500 / 5.4	W= .019718 / 11.6	T= .865 / 8.8					
LAT= 78.0	U= 1.874 / 2.4	V= 1.917 / 5.6	W= .006737 / 11.8	T= .358 / 8.8					
LAT= 84.0	U= .975 / 2.7	V= 1.161 / 6.1	W= .002677 / 1.4	T= .094 / 9.2					
Z = 240.988 KM									
LAT= 0.0	U= 1.546 / 7.3	V= 0.000 / .7	W= .064824 / 2.5	T= 2.109 / 1.1					
LAT= 6.0	U= 1.490 / 7.3	V= 1.691 / 10.0	W= .057968 / 2.6	T= 1.930 / 1.2					
LAT= 12.0	U= 1.327 / 7.5	V= 3.042 / 10.1	W= .039723 / 2.9	T= 1.447 / 1.6					
LAT= 18.0	U= 1.051 / 7.9	V= 3.813 / 10.3	W= .016898 / 3.8	T= .830 / 2.5					
LAT= 24.0	U= .683 / 8.6	V= 3.927 / 10.6	W= .017266 / 7.3	T= .650 / 4.9					
LAT= 30.0	U= .526 / 10.8	V= 3.457 / 11.0	W= .036299 / 8.3	T= 1.191 / 6.4					
LAT= 36.0	U= 1.034 / .4	V= 2.616 / 11.5	W= .049412 / 8.8	T= 1.744 / 7.0					
LAT= 42.0	U= 1.760 / 1.0	V= 1.776 / .6	W= .054401 / 9.2	T= 2.099 / 7.4					
LAT= 48.0	U= 2.433 / 1.4	V= 1.550 / 2.3	W= .052464 / 9.7	T= 2.204 / 7.8					
LAT= 54.0	U= 2.929 / 1.6	V= 2.041 / 3.6	W= .046181 / 10.2	T= 2.067 / 8.1					
LAT= 60.0	U= 3.227 / 1.8	V= 2.596 / 4.3	W= .037913 / 10.6	T= 1.758 / 8.3					
LAT= 66.0	U= 3.140 / 2.0	V= 2.859 / 4.8	W= .027173 / 11.0	T= 1.280 / 8.6					
LAT= 72.0	U= 2.941 / 2.2	V= 2.695 / 5.1	W= .019097 / 11.2	T= .898 / 8.7					
LAT= 78.0	U= 2.032 / 2.2	V= 2.066 / 5.3	W= .005975 / 11.6	T= .375 / 8.7					
LAT= 84.0	U= 1.059 / 2.4	V= 1.247 / 5.8	W= .003230 / 1.4	T= .102 / 9.1					
Z = 272.801 KM									
LAT= 0.0	U= 1.603 / 7.1	V= 0.000 / 1.4	W= .067109 / 2.1	T= 2.159 / 1.1					
LAT= 6.0	U= 1.544 / 7.2	V= 1.733 / 9.8	W= .060114 / 2.2	T= 1.977 / 1.2					
LAT= 12.0	U= 1.373 / 7.4	V= 3.122 / 10.0	W= .041392 / 2.4	T= 1.484 / 1.5					
LAT= 18.0	U= 1.088 / 7.7	V= 3.929 / 10.1	W= .017395 / 3.3	T= .855 / 2.5					
LAT= 24.0	U= .721 / 8.6	V= 4.063 / 10.4	W= .016497 / 6.9	T= .669 / 4.9					
LAT= 30.0	U= .603 / 10.7	V= 3.597 / 10.8	W= .036277 / 7.9	T= 1.220 / 6.4					
LAT= 36.0	U= 1.135 / .3	V= 2.739 / 11.4	W= .049374 / 8.4	T= 1.788 / 7.0					
LAT= 42.0	U= 1.890 / .9	V= 1.844 / .4	W= .050533 / 8.8	T= 2.155 / 7.4					
LAT= 48.0	U= 2.590 / 1.2	V= 1.608 / 2.1	W= .050286 / 9.3	T= 2.266 / 7.7					
LAT= 54.0	U= 3.106 / 1.5	V= 2.109 / 3.5	W= .042905 / 9.7	T= 2.129 / 8.0					
LAT= 60.0	U= 3.413 / 1.7	V= 2.697 / 4.2	W= .034352 / 10.2	T= 1.814 / 8.3					
LAT= 66.0	U= 3.317 / 1.9	V= 2.987 / 4.7	W= .024306 / 10.6	T= 1.323 / 8.5					
LAT= 72.0	U= 3.107 / 2.0	V= 2.828 / 5.0	W= .016997 / 10.9	T= .927 / 8.7					
LAT= 78.0	U= 2.139 / 2.1	V= 2.167 / 5.2	W= .004491 / 11.3	T= .388 / 8.7					
LAT= 84.0	U= 1.115 / 2.3	V= 1.304 / 5.7	W= .003481 / 1.4	T= .108 / 9.0					

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 600 K

Z = 304.762 KM

LAT= 0.0	U= 1.652 / 7.0	V= 0.000 / 1.7	W= .070486 / 1.7	T= 2.218 / 1.1
LAT= 6.0	U= 1.591 / 7.1	V= 1.768 / 9.8	W= .063319 / 1.7	T= 2.030 / 1.2
LAT= 12.0	U= 1.415 / 7.3	V= 3.193 / 9.9	W= .044012 / 1.9	T= 1.525 / 1.5
LAT= 18.0	U= 1.121 / 7.7	V= 4.025 / 10.1	W= .018587 / 2.7	T= .879 / 2.4
LAT= 24.0	U= .752 / 8.6	V= 4.174 / 10.4	W= .015353 / 6.5	T= .688 / 4.9
LAT= 30.0	U= .650 / 10.7	V= 3.704 / 10.7	W= .036180 / 7.5	T= 1.253 / 6.4
LAT= 36.0	U= 1.200 / .2	V= 2.828 / 11.3	W= .049526 / 8.0	T= 1.838 / 7.0
LAT= 42.0	U= 1.977 / .8	V= 1.926 / .4	W= .052955 / 8.3	T= 2.215 / 7.4
LAT= 48.0	U= 2.698 / 1.2	V= 1.651 / 2.1	W= .048221 / 8.8	T= 2.332 / 7.7
LAT= 54.0	U= 3.228 / 1.4	V= 2.165 / 3.4	W= .039271 / 9.2	T= 2.193 / 8.0
LAT= 60.0	U= 3.543 / 1.7	V= 2.774 / 4.2	W= .029899 / 9.7	T= 1.868 / 8.3
LAT= 66.0	U= 3.440 / 1.8	V= 3.081 / 4.6	W= .020433 / 10.2	T= 1.363 / 8.5
LAT= 72.0	U= 3.222 / 2.0	V= 2.924 / 4.9	W= .014196 / 10.4	T= .955 / 8.7
LAT= 78.0	U= 2.214 / 2.0	V= 2.240 / 5.2	W= .002590 / 10.8	T= .400 / 8.7
LAT= 84.0	U= 1.155 / 2.3	V= 1.345 / 5.7	W= .003569 / 1.6	T= .112 / 9.0

Z = 336.754 KM

LAT= 0.0	U= 1.694 / 7.0	V= 0.000 / 1.9	W= .075890 / 1.3	T= 2.278 / 1.1
LAT= 6.0	U= 1.631 / 7.1	V= 1.803 / 9.7	W= .068455 / 1.3	T= 2.085 / 1.2
LAT= 12.0	U= 1.451 / 7.3	V= 3.257 / 9.9	W= .048281 / 1.5	T= 1.566 / 1.5
LAT= 18.0	U= 1.149 / 7.7	V= 4.112 / 10.0	W= .021063 / 2.1	T= .904 / 2.4
LAT= 24.0	U= .775 / 8.6	V= 4.268 / 10.3	W= .014256 / 6.1	T= .707 / 4.9
LAT= 30.0	U= .681 / 10.7	V= 3.793 / 10.7	W= .036648 / 7.1	T= 1.287 / 6.4
LAT= 36.0	U= 1.245 / .1	V= 2.899 / 11.3	W= .050944 / 7.5	T= 1.887 / 7.0
LAT= 42.0	U= 2.040 / .8	V= 1.976 / .3	W= .054240 / 7.8	T= 2.276 / 7.4
LAT= 48.0	U= 2.780 / 1.1	V= 1.689 / 2.0	W= .048319 / 8.2	T= 2.396 / 7.7
LAT= 54.0	U= 3.322 / 1.4	V= 2.214 / 3.4	W= .037577 / 8.6	T= 2.253 / 8.0
LAT= 60.0	U= 3.643 / 1.6	V= 2.840 / 4.1	W= .026656 / 9.0	T= 1.921 / 8.3
LAT= 66.0	U= 3.536 / 1.8	V= 3.158 / 4.6	W= .017010 / 9.5	T= 1.401 / 8.5
LAT= 72.0	U= 3.312 / 2.0	V= 3.000 / 4.9	W= .011687 / 9.7	T= .982 / 8.7
LAT= 78.0	U= 2.273 / 2.0	V= 2.297 / 5.1	W= .001299 / 8.5	T= .412 / 8.7
LAT= 84.0	U= 1.187 / 2.2	V= 1.377 / 5.6	W= .003609 / 1.9	T= .115 / 9.0

Z = 368.753 KM

LAT= 0.0	U= 1.731 / 7.0	V= 0.000 / 2.0	W= .083632 / .9	T= 2.334 / 1.1
LAT= 6.0	U= 1.668 / 7.0	V= 1.838 / 9.7	W= .075801 / 1.0	T= 2.138 / 1.2
LAT= 12.0	U= 1.483 / 7.2	V= 3.320 / 9.8	W= .054397 / 1.1	T= 1.606 / 1.5
LAT= 18.0	U= 1.175 / 7.7	V= 4.194 / 10.0	W= .024949 / 1.7	T= .927 / 2.4
LAT= 24.0	U= .794 / 8.6	V= 4.357 / 10.3	W= .013661 / 5.5	T= .726 / 4.9
LAT= 30.0	U= .703 / 10.7	V= 3.875 / 10.7	W= .038133 / 6.7	T= 1.319 / 6.4
LAT= 36.0	U= 1.280 / .1	V= 2.964 / 11.3	W= .054326 / 7.1	T= 1.935 / 7.0
LAT= 42.0	U= 2.091 / .7	V= 2.019 / .3	W= .058438 / 7.3	T= 2.333 / 7.4
LAT= 48.0	U= 2.846 / 1.1	V= 1.724 / 2.0	W= .052119 / 7.6	T= 2.457 / 7.7
LAT= 54.0	U= 3.401 / 1.4	V= 2.260 / 3.4	W= .039958 / 7.9	T= 2.311 / 8.0
LAT= 60.0	U= 3.728 / 1.6	V= 2.901 / 4.1	W= .027190 / 8.2	T= 1.970 / 8.3
LAT= 66.0	U= 3.618 / 1.8	V= 3.227 / 4.6	W= .016292 / 8.5	T= 1.437 / 8.5
LAT= 72.0	U= 3.389 / 2.0	V= 3.067 / 4.9	W= .011070 / 8.7	T= 1.007 / 8.7
LAT= 78.0	U= 2.325 / 2.0	V= 2.348 / 5.1	W= .003245 / 6.5	T= .423 / 8.7
LAT= 84.0	U= 1.214 / 2.2	V= 1.406 / 5.6	W= .003674 / 2.2	T= .118 / 9.0

Z = 400.753 KM

LAT= 0.0	U= 1.766 / 7.0	V= 0.000 / 2.0	W= .093270 / .6	T= 2.388 / 1.1
LAT= 6.0	U= 1.701 / 7.0	V= 1.872 / 9.7	W= .084936 / .7	T= 2.187 / 1.2
LAT= 12.0	U= 1.513 / 7.2	V= 3.385 / 9.8	W= .061997 / .8	T= 1.642 / 1.5
LAT= 18.0	U= 1.200 / 7.7	V= 4.276 / 10.0	W= .029956 / 1.3	T= .948 / 2.4
LAT= 24.0	U= .812 / 8.6	V= 4.444 / 10.3	W= .013992 / 4.9	T= .742 / 4.9
LAT= 30.0	U= .720 / 10.6	V= 3.952 / 10.7	W= .040747 / 6.3	T= 1.350 / 6.4
LAT= 36.0	U= 1.308 / .1	V= 3.023 / 11.3	W= .059734 / 6.7	T= 1.979 / 7.0
LAT= 42.0	U= 2.136 / .7	V= 2.060 / .3	W= .065657 / 6.9	T= 2.386 / 7.4
LAT= 48.0	U= 2.907 / 1.1	V= 1.758 / 2.0	W= .059905 / 7.1	T= 2.513 / 7.7
LAT= 54.0	U= 3.472 / 1.4	V= 2.304 / 3.4	W= .047066 / 7.2	T= 2.364 / 8.0
LAT= 60.0	U= 3.806 / 1.6	V= 2.958 / 4.1	W= .032777 / 7.4	T= 2.015 / 8.3
LAT= 66.0	U= 3.694 / 1.8	V= 3.292 / 4.6	W= .019959 / 7.6	T= 1.470 / 8.5
LAT= 72.0	U= 3.459 / 1.9	V= 3.129 / 4.9	W= .013602 / 7.7	T= 1.030 / 8.7
LAT= 78.0	U= 2.372 / 2.0	V= 2.396 / 5.1	W= .006163 / 6.1	T= .432 / 8.7
LAT= 84.0	U= 1.239 / 2.2	V= 1.435 / 5.6	W= .003791 / 2.6	T= .122 / 9.0

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 800$ K									
Z = 100.017 KM									
LAT= 0.0	U=	.525 / 7.7	V=	0.000 / 8.3	W=	.009731 / 2.3	T=	.884 / 11.7	
LAT= 6.0	U=	.556 / 7.7	V=	1.230 / 10.8	W=	.008169 / 2.3	T=	.741 / 11.7	
LAT= 12.0	U=	.584 / 7.7	V=	1.993 / 10.8	W=	.003990 / 2.3	T=	.360 / 11.7	
LAT= 18.0	U=	.460 / 7.6	V=	2.009 / 10.8	W=	.001500 / 8.2	T=	.139 / 6.2	
LAT= 24.0	U=	.088 / 6.1	V=	1.284 / 10.8	W=	.006690 / 8.3	T=	.595 / 5.9	
LAT= 30.0	U=	.636 / 2.1	V=	.074 / 11.2	W=	.010262 / 8.4	T=	.899 / 5.9	
LAT= 36.0	U=	1.473 / 2.0	V=	1.250 / 4.9	W=	.011586 / 8.5	T=	1.000 / 6.0	
LAT= 42.0	U=	2.259 / 2.0	V=	2.343 / 4.9	W=	.010814 / 8.6	T=	.919 / 6.0	
LAT= 48.0	U=	2.799 / 2.0	V=	2.956 / 5.0	W=	.008655 / 8.7	T=	.724 / 6.1	
LAT= 54.0	U=	2.994 / 2.0	V=	3.170 / 5.0	W=	.006012 / 8.8	T=	.496 / 6.2	
LAT= 60.0	U=	2.837 / 2.1	V=	2.947 / 5.1	W=	.003617 / 9.1	T=	.294 / 6.4	
LAT= 66.0	U=	2.435 / 2.1	V=	2.461 / 5.1	W=	.001895 / 9.4	T=	.153 / 6.7	
LAT= 72.0	U=	1.876 / 2.1	V=	1.845 / 5.1	W=	.001061 / 10.0	T=	.084 / 7.2	
LAT= 78.0	U=	1.186 / 2.1	V=	1.202 / 5.2	W=	.000353 / 9.8	T=	.024 / 6.7	
LAT= 84.0	U=	.599 / 2.2	V=	.598 / 5.2	W=	.000123 / 7.7	T=	.009 / 4.7	
Z = 103.521 KM									
LAT= 0.0	U=	.653 / 6.6	V=	0.000 / 1.1	W=	.012663 / 1.1	T=	1.274 / 10.6	
LAT= 6.0	U=	.885 / 6.6	V=	1.777 / 9.6	W=	.010661 / 1.1	T=	1.076 / 10.6	
LAT= 12.0	U=	.907 / 6.6	V=	2.929 / 9.7	W=	.005306 / 1.3	T=	.547 / 10.7	
LAT= 18.0	U=	.733 / 6.4	V=	3.050 / 9.7	W=	.001818 / 6.7	T=	.148 / 4.6	
LAT= 24.0	U=	.226 / 5.5	V=	2.128 / 9.8	W=	.008439 / 7.1	T=	.809 / 4.7	
LAT= 30.0	U=	.782 / 1.1	V=	.444 / 10.2	W=	.013032 / 7.3	T=	1.268 / 4.8	
LAT= 36.0	U=	1.981 / .9	V=	1.544 / 3.6	W=	.014749 / 7.4	T=	1.444 / 4.9	
LAT= 42.0	U=	3.182 / .9	V=	3.274 / 3.7	W=	.013778 / 7.5	T=	1.353 / 5.0	
LAT= 48.0	U=	4.097 / .9	V=	4.425 / 3.8	W=	.011032 / 7.7	T=	1.087 / 5.2	
LAT= 54.0	U=	4.536 / .9	V=	4.866 / 3.9	W=	.007668 / 8.0	T=	.757 / 5.4	
LAT= 60.0	U=	4.441 / .9	V=	4.665 / 3.9	W=	.004631 / 8.3	T=	.459 / 5.6	
LAT= 66.0	U=	3.912 / 1.0	V=	3.958 / 4.0	W=	.002453 / 8.7	T=	.244 / 6.0	
LAT= 72.0	U=	3.077 / 1.0	V=	3.062 / 4.0	W=	.001416 / 9.4	T=	.139 / 6.6	
LAT= 78.0	U=	2.074 / 1.1	V=	2.022 / 4.1	W=	.000583 / 9.3	T=	.057 / 6.4	
LAT= 84.0	U=	1.017 / 1.1	V=	.968 / 4.2	W=	.000179 / 7.3	T=	.017 / 4.5	
Z = 107.177 KM									
LAT= 0.0	U=	1.253 / 5.4	V=	0.000 / 11.8	W=	.015426 / 11.8	T=	1.789 / 9.3	
LAT= 6.0	U=	1.277 / 5.4	V=	2.293 / 8.3	W=	.013029 / 11.9	T=	1.522 / 9.3	
LAT= 12.0	U=	1.271 / 5.3	V=	3.830 / 8.3	W=	.006632 / 0.0	T=	.807 / 9.4	
LAT= 18.0	U=	1.043 / 5.1	V=	4.115 / 8.4	W=	.001896 / 5.2	T=	.153 / 2.6	
LAT= 24.0	U=	.427 / 4.5	V=	3.075 / 8.6	W=	.009698 / 5.8	T=	1.044 / 3.3	
LAT= 30.0	U=	.757 / 11.9	V=	1.090 / 9.2	W=	.015071 / 6.0	T=	1.674 / 3.5	
LAT= 36.0	U=	2.194 / 11.6	V=	1.547 / 1.8	W=	.017020 / 6.1	T=	1.925 / 3.6	
LAT= 42.0	U=	3.690 / 11.5	V=	3.759 / 2.3	W=	.015824 / 6.3	T=	1.815 / 3.8	
LAT= 48.0	U=	4.833 / 11.6	V=	5.326 / 2.4	W=	.012597 / 6.5	T=	1.465 / 4.0	
LAT= 54.0	U=	5.544 / 11.6	V=	6.018 / 2.5	W=	.008712 / 6.8	T=	1.028 / 4.2	
LAT= 60.0	U=	5.540 / 11.7	V=	5.877 / 2.7	W=	.005249 / 7.1	T=	.632 / 4.5	
LAT= 66.0	U=	4.943 / 11.8	V=	5.107 / 2.8	W=	.002776 / 7.6	T=	.340 / 5.0	
LAT= 72.0	U=	3.951 / 11.9	V=	3.952 / 2.8	W=	.001644 / 8.4	T=	.207 / 5.7	
LAT= 78.0	U=	2.730 / 11.9	V=	2.621 / 2.9	W=	.000672 / 7.9	T=	.085 / 5.1	
LAT= 84.0	U=	1.324 / 11.9	V=	1.236 / 3.1	W=	.000218 / 6.0	T=	.027 / 3.3	
Z = 111.019 KM									
LAT= 0.0	U=	1.575 / 4.1	V=	0.000 / 10.5	W=	.017778 / 10.5	T=	2.324 / 7.9	
LAT= 6.0	U=	1.580 / 4.1	V=	2.534 / 7.0	W=	.015128 / 10.5	T=	1.996 / 7.9	
LAT= 12.0	U=	1.530 / 4.0	V=	4.282 / 7.1	W=	.008047 / 10.6	T=	1.117 / 8.0	
LAT= 18.0	U=	1.265 / 3.8	V=	4.721 / 7.2	W=	.001384 / 3.7	T=	.122 / 11.8	
LAT= 24.0	U=	.634 / 3.3	V=	3.757 / 7.3	W=	.010033 / 4.5	T=	1.175 / 1.8	
LAT= 30.0	U=	.588 / 10.9	V=	1.776 / 7.9	W=	.016033 / 4.7	T=	1.963 / 2.0	
LAT= 36.0	U=	2.007 / 10.3	V=	1.253 / 11.8	W=	.018277 / 4.8	T=	2.289 / 2.2	
LAT= 42.0	U=	3.539 / 10.2	V=	3.495 / .8	W=	.017073 / 5.0	T=	2.177 / 2.4	
LAT= 48.0	U=	4.822 / 10.3	V=	5.230 / 1.1	W=	.013644 / 5.2	T=	1.774 / 2.6	
LAT= 54.0	U=	5.574 / 10.3	V=	6.083 / 1.2	W=	.009493 / 5.4	T=	1.262 / 2.9	
LAT= 60.0	U=	5.674 / 10.4	V=	6.057 / 1.4	W=	.005776 / 5.8	T=	.793 / 3.2	
LAT= 66.0	U=	5.121 / 10.5	V=	5.342 / 1.5	W=	.003096 / 6.2	T=	.438 / 3.7	
LAT= 72.0	U=	4.168 / 10.7	V=	4.180 / 1.6	W=	.001865 / 7.0	T=	.278 / 4.3	
LAT= 78.0	U=	2.933 / 10.7	V=	2.784 / 1.7	W=	.000794 / 6.1	T=	.116 / 3.4	
LAT= 84.0	U=	1.411 / 10.7	V=	1.300 / 2.0	W=	.000258 / 4.4	T=	.035 / 1.7	

Table B3. Amplitude and Phase for the (2,4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 800 \text{ K}$

Z = 115.091 KM

LAT= 0.0	U= 1.734 / 2.9	V= 0.000 / 9.2	W= .020347 / 9.2	T= 2.807 / 6.4
LAT= 6.0	U= 1.715 / 2.9	V= 2.475 / 5.8	W= .017485 / 9.2	T= 2.434 / 6.5
LAT= 12.0	U= 1.620 / 2.8	V= 4.232 / 5.9	W= .009821 / 9.3	T= 1.433 / 5.6
LAT= 18.0	U= 1.342 / 2.6	V= 4.787 / 6.0	W= .000553 / 1.3	T= .172 / 8.3
LAT= 24.0	U= .770 / 2.1	V= 4.036 / 6.2	W= .009894 / 3.2	T= 1.185 / .3
LAT= 30.0	U= .412 / 10.5	V= 2.308 / 6.7	W= .016615 / 3.4	T= 2.092 / .6
LAT= 36.0	U= 1.582 / 9.2	V= 1.035 / 9.4	W= .019345 / 3.5	T= 2.488 / .7
LAT= 42.0	U= 2.944 / 9.1	V= 2.750 / 11.3	W= .018357 / 3.7	T= 2.399 / .9
LAT= 48.0	U= 4.133 / 9.1	V= 4.417 / 11.8	W= .014906 / 3.9	T= 1.981 / 1.2
LAT= 54.0	U= 4.889 / 9.2	V= 5.334 / 0.0	W= .010575 / 4.1	T= 1.436 / 1.5
LAT= 60.0	U= 5.086 / 9.2	V= 5.448 / .2	W= .006602 / 4.4	T= .927 / 1.8
LAT= 66.0	U= 4.660 / 9.4	V= 4.903 / .4	W= .003636 / 4.8	T= .529 / 2.3
LAT= 72.0	U= 3.895 / 9.5	V= 3.900 / .5	W= .002242 / 5.4	T= .346 / 2.8
LAT= 78.0	U= 2.784 / 9.5	V= 2.623 / .6	W= .001001 / 4.5	T= .144 / 1.8
LAT= 84.0	U= 1.331 / 9.6	V= 1.230 / .9	W= .000335 / 2.8	T= .044 / 0.0

Z = 119.451 KM

LAT= 0.0	U= 1.762 / 1.8	V= 0.000 / 8.1	W= .023383 / 8.1	T= 3.141 / 5.2
LAT= 6.0	U= 1.726 / 1.8	V= 2.270 / 4.7	W= .020304 / 8.1	T= 2.748 / 5.2
LAT= 12.0	U= 1.602 / 1.6	V= 3.920 / 4.8	W= .012035 / 8.2	T= 1.694 / 5.3
LAT= 18.0	U= 1.331 / 1.4	V= 4.528 / 4.9	W= .001171 / 9.1	T= .330 / 6.3
LAT= 24.0	U= .838 / 1.0	V= 3.995 / 5.1	W= .009601 / 2.1	T= 1.090 / 11.0
LAT= 30.0	U= .328 / 10.5	V= 2.585 / 5.5	W= .017297 / 2.3	T= 2.076 / 11.3
LAT= 36.0	U= 1.140 / 8.2	V= 1.156 / 7.3	W= .020800 / 2.4	T= 2.541 / 11.5
LAT= 42.0	U= 2.269 / 8.0	V= 2.015 / 9.9	W= .020274 / 2.5	T= 2.504 / 11.7
LAT= 48.0	U= 3.294 / 8.0	V= 3.450 / 10.5	W= .016947 / 2.7	T= 2.116 / 11.9
LAT= 54.0	U= 3.989 / 8.1	V= 4.333 / 10.9	W= .012446 / 2.9	T= 1.578 / .2
LAT= 60.0	U= 4.241 / 8.2	V= 4.544 / 11.1	W= .008129 / 3.2	T= 1.059 / .5
LAT= 66.0	U= 3.948 / 8.3	V= 4.174 / 11.3	W= .004663 / 3.5	T= .626 / .9
LAT= 72.0	U= 3.395 / 8.5	V= 3.379 / 11.5	W= .002979 / 4.0	T= .414 / 1.3
LAT= 78.0	U= 2.453 / 8.5	V= 2.300 / 11.6	W= .001318 / 3.1	T= .169 / .3
LAT= 84.0	U= 1.167 / 8.6	V= 1.094 / 0.0	W= .000422 / 1.6	T= .047 / 10.5

Z = 124.175 KM

LAT= 0.0	U= 1.740 / .8	V= 0.000 / 7.2	W= .026647 / 7.2	T= 3.255 / 4.2
LAT= 6.0	U= 1.696 / .8	V= 2.043 / 3.7	W= .023368 / 7.2	T= 2.873 / 4.2
LAT= 12.0	U= 1.562 / .6	V= 3.553 / 3.8	W= .014514 / 7.3	T= 1.845 / 4.3
LAT= 18.0	U= 1.308 / .4	V= 4.168 / 3.9	W= .002717 / 7.8	T= .497 / 5.0
LAT= 24.0	U= .881 / 0.0	V= 3.797 / 4.1	W= .009234 / 1.1	T= .934 / 9.9
LAT= 30.0	U= .320 / 10.6	V= 2.655 / 4.5	W= .018105 / 1.3	T= 1.950 / 10.2
LAT= 36.0	U= .769 / 7.3	V= 1.343 / 5.8	W= .022626 / 1.4	T= 2.479 / 10.4
LAT= 42.0	U= 1.709 / 6.9	V= 1.520 / 8.4	W= .022783 / 1.6	T= 2.519 / 10.6
LAT= 48.0	U= 2.584 / 6.9	V= 2.658 / 9.4	W= .019722 / 1.7	T= 2.199 / 10.8
LAT= 54.0	U= 3.202 / 7.0	V= 3.453 / 9.8	W= .015086 / 2.0	T= 1.704 / 11.1
LAT= 60.0	U= 3.473 / 7.2	V= 3.704 / 10.1	W= .010380 / 2.2	T= 1.198 / 11.3
LAT= 66.0	U= 3.275 / 7.3	V= 3.462 / 10.3	W= .006247 / 2.5	T= .737 / 11.7
LAT= 72.0	U= 2.885 / 7.6	V= 2.846 / 10.5	W= .004169 / 2.9	T= .496 / 0.0
LAT= 78.0	U= 2.095 / 7.5	V= 1.959 / 10.7	W= .001723 / 2.0	T= .188 / 11.1
LAT= 84.0	U= .993 / 7.7	V= .952 / 11.2	W= .000480 / .4	T= .043 / 9.3

Z = 129.367 KM

LAT= 0.0	U= 1.700 / 0.0	V= 0.000 / 6.4	W= .029730 / 6.4	T= 3.176 / 3.4
LAT= 6.0	U= 1.654 / 11.9	V= 1.846 / 2.7	W= .026297 / 6.4	T= 2.827 / 3.4
LAT= 12.0	U= 1.523 / 11.7	V= 3.227 / 2.8	W= .016976 / 6.5	T= 1.883 / 3.6
LAT= 18.0	U= 1.291 / 11.5	V= 3.824 / 2.9	W= .004426 / 7.0	T= .629 / 4.2
LAT= 24.0	U= .906 / 11.2	V= 3.561 / 3.2	W= .008794 / .2	T= .767 / 8.8
LAT= 30.0	U= .347 / 10.4	V= 2.616 / 3.6	W= .018849 / .4	T= 1.766 / 9.3
LAT= 36.0	U= .507 / 6.2	V= 1.457 / 4.6	W= .024489 / .6	T= 2.343 / 9.5
LAT= 42.0	U= 1.327 / 5.8	V= 1.251 / 7.0	W= .025458 / .7	T= 2.465 / 9.7
LAT= 48.0	U= 2.090 / 5.9	V= 2.105 / 8.2	W= .022774 / .9	T= 2.231 / 10.0
LAT= 54.0	U= 2.641 / 6.0	V= 2.798 / 8.7	W= .018071 / 1.2	T= 1.798 / 10.2
LAT= 60.0	U= 2.905 / 6.2	V= 3.057 / 9.1	W= .013008 / 1.4	T= 1.323 / 10.5
LAT= 66.0	U= 2.759 / 6.4	V= 2.899 / 9.4	W= .008167 / 1.7	T= .845 / 10.8
LAT= 72.0	U= 2.471 / 6.6	V= 2.417 / 9.6	W= .005633 / 2.0	T= .579 / 11.0
LAT= 78.0	U= 1.790 / 6.5	V= 1.683 / 9.8	W= .002142 / 1.1	T= .203 / 10.2
LAT= 84.0	U= .848 / 6.8	V= .844 / 10.4	W= .000498 / 11.3	T= .031 / 8.3

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 800 K

Z = 135.169 KM

LAT= 0.0	U= 1.642 / 11.2	V= 0.000 / 11.9	W= .032358 / 5.7	T= 2.983 / 2.7
LAT= 6.0	U= 1.599 / 11.1	V= 1.685 / 1.9	W= .028828 / 5.7	T= 2.676 / 2.7
LAT= 12.0	U= 1.480 / 10.9	V= 2.957 / 1.9	W= .019195 / 5.8	T= 1.840 / 2.9
LAT= 18.0	U= 1.265 / 10.7	V= 3.534 / 2.1	W= .006133 / 6.3	T= .716 / 3.5
LAT= 24.0	U= .902 / 10.4	V= 3.344 / 2.3	W= .008348 / 11.2	T= .632 / 7.8
LAT= 30.0	U= .359 / 10.1	V= 2.543 / 2.7	W= .019380 / 11.6	T= 1.575 / 8.5
LAT= 36.0	U= .376 / 5.1	V= 1.517 / 3.5	W= .026054 / 11.8	T= 2.178 / 8.8
LAT= 42.0	U= 1.133 / 4.8	V= 1.123 / 5.6	W= .027829 / 0.0	T= 2.371 / 9.0
LAT= 48.0	U= 1.821 / 4.9	V= 1.745 / 7.1	W= .025567 / .3	T= 2.219 / 9.2
LAT= 54.0	U= 2.317 / 5.1	V= 2.358 / 7.7	W= .020872 / .5	T= 1.848 / 9.5
LAT= 60.0	U= 2.568 / 5.2	V= 2.625 / 8.1	W= .015537 / .8	T= 1.412 / 9.7
LAT= 66.0	U= 2.442 / 5.4	V= 2.531 / 8.4	W= .010064 / 1.1	T= .930 / 10.0
LAT= 72.0	U= 2.212 / 5.7	V= 2.145 / 8.7	W= .007068 / 1.4	T= .644 / 10.2
LAT= 78.0	U= 1.583 / 5.6	V= 1.518 / 8.9	W= .002495 / .4	T= .214 / 9.5
LAT= 84.0	U= .760 / 5.8	V= .797 / 9.5	W= .000486 / 10.0	T= .019 / 7.3

Z = 141.772 KM

LAT= 0.0	U= 1.564 / 10.4	V= 0.000 / 11.1	W= .034612 / 5.0	T= 2.745 / 2.0
LAT= 6.0	U= 1.526 / 10.3	V= 1.546 / 1.0	W= .031004 / 5.0	T= 2.479 / 2.1
LAT= 12.0	U= 1.421 / 10.2	V= 2.724 / 1.1	W= .021134 / 5.2	T= 1.750 / 2.3
LAT= 18.0	U= 1.219 / 10.0	V= 3.284 / 1.2	W= .007730 / 5.7	T= .765 / 2.9
LAT= 24.0	U= .865 / 9.8	V= 3.156 / 1.5	W= .008046 / 10.3	T= .547 / 6.7
LAT= 30.0	U= .335 / 9.5	V= 2.473 / 1.8	W= .019718 / 10.9	T= 1.403 / 7.7
LAT= 36.0	U= .349 / 4.2	V= 1.554 / 2.6	W= .027207 / 11.2	T= 2.008 / 8.1
LAT= 42.0	U= 1.059 / 4.0	V= 1.066 / 4.4	W= .029656 / 11.4	T= 2.251 / 8.3
LAT= 48.0	U= 1.691 / 4.1	V= 1.510 / 6.1	W= .027792 / 11.7	T= 2.165 / 8.6
LAT= 54.0	U= 2.146 / 4.2	V= 2.073 / 6.8	W= .023158 / 11.9	T= 1.852 / 8.8
LAT= 60.0	U= 2.390 / 4.4	V= 2.358 / 7.2	W= .017650 / .2	T= 1.454 / 9.1
LAT= 66.0	U= 2.273 / 4.6	V= 2.321 / 7.5	W= .011684 / .5	T= .980 / 9.3
LAT= 72.0	U= 2.082 / 4.8	V= 2.010 / 7.8	W= .008266 / .8	T= .684 / 9.5
LAT= 78.0	U= 1.470 / 4.7	V= 1.453 / 8.0	W= .002776 / 11.8	T= .223 / 8.8
LAT= 84.0	U= .720 / 5.0	V= .808 / 8.6	W= .000461 / 8.9	T= .010 / 7.0

Z = 149.425 KM

LAT= 0.0	U= 1.467 / 9.7	V= 0.000 / 10.4	W= .036854 / 4.3	T= 2.501 / 1.4
LAT= 6.0	U= 1.434 / 9.6	V= 1.413 / .3	W= .033133 / 4.4	T= 2.271 / 1.5
LAT= 12.0	U= 1.338 / 9.5	V= 2.505 / .3	W= .022962 / 4.5	T= 1.640 / 1.7
LAT= 18.0	U= 1.143 / 9.4	V= 3.048 / .5	W= .009214 / 5.2	T= .783 / 2.3
LAT= 24.0	U= .736 / 9.2	V= 2.978 / .7	W= .008006 / 9.4	T= .510 / 5.7
LAT= 30.0	U= .290 / 8.9	V= 2.397 / 1.0	W= .020032 / .0.2	T= 1.257 / 7.0
LAT= 36.0	U= .346 / 3.5	V= 1.573 / 1.7	W= .028121 / 10.5	T= 1.841 / 7.4
LAT= 42.0	U= .997 / 3.4	V= 1.034 / 3.4	W= .031105 / 10.8	T= 2.111 / 7.7
LAT= 48.0	U= 1.573 / 3.5	V= 1.329 / 5.1	W= .029595 / 11.0	T= 2.074 / 7.9
LAT= 54.0	U= 1.990 / 3.6	V= 1.848 / 5.9	W= .025054 / 11.3	T= 1.809 / 8.2
LAT= 60.0	U= 2.231 / 3.7	V= 2.152 / 6.4	W= .019434 / 11.6	T= 1.449 / 8.4
LAT= 66.0	U= 2.130 / 3.8	V= 2.161 / 6.7	W= .013062 / 11.9	T= .993 / 8.7
LAT= 72.0	U= 1.973 / 4.0	V= 1.911 / 7.0	W= .009256 / .1	T= .695 / 8.8
LAT= 78.0	U= 1.385 / 3.9	V= 1.413 / 7.3	W= .003040 / 11.3	T= .231 / 8.2
LAT= 84.0	U= .694 / 4.2	V= .829 / 7.9	W= .000345 / 8.1	T= .010 / 8.0

Z = 158.420 KM

LAT= 0.0	U= 1.352 / 9.0	V= 0.000 / 8.0	W= .039426 / 3.7	T= 2.272 / .8
LAT= 6.0	U= 1.320 / 9.0	V= 1.289 / 11.5	W= .035534 / 3.7	T= 2.072 / .9
LAT= 12.0	U= 1.228 / 8.9	V= 2.294 / 11.6	W= .024922 / 3.9	T= 1.520 / 1.1
LAT= 18.0	U= 1.042 / 8.8	V= 2.818 / 11.7	W= .010696 / 4.6	T= .777 / 1.8
LAT= 24.0	U= .716 / 8.7	V= 2.791 / 0.0	W= .008256 / 8.5	T= .503 / 4.9
LAT= 30.0	U= .253 / 8.6	V= 2.299 / .3	W= .020539 / 9.5	T= 1.137 / 6.3
LAT= 36.0	U= .305 / 2.8	V= 1.561 / .9	W= .029190 / 9.9	T= 1.682 / 6.8
LAT= 42.0	U= .883 / 2.7	V= .995 / 2.4	W= .032694 / 10.1	T= 1.959 / 7.1
LAT= 48.0	U= 1.393 / 2.8	V= 1.154 / 4.2	W= .031561 / 10.4	T= 1.957 / 7.3
LAT= 54.0	U= 1.773 / 2.9	V= 1.623 / 5.1	W= .027152 / 10.7	T= 1.733 / 7.6
LAT= 60.0	U= 2.018 / 3.0	V= 1.931 / 5.6	W= .021427 / 11.0	T= 1.409 / 7.8
LAT= 66.0	U= 1.948 / 3.1	V= 1.975 / 6.0	W= .014604 / 11.3	T= .978 / 8.0
LAT= 72.0	U= 1.824 / 3.3	V= 1.774 / 6.3	W= .010338 / 11.5	T= .685 / 8.2
LAT= 78.0	U= 1.280 / 3.2	V= 1.336 / 6.6	W= .003343 / 10.8	T= .236 / 7.7
LAT= 84.0	U= .655 / 3.6	V= .818 / 7.2	W= .000075 / 7.8	T= .021 / 8.2

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 800$ K									
Z = 181.310 KM									
LAT= 0.0	U=	1.094 / 7.7	V=	0.000 / 1.5	W=	.045617 / 2.6	T=	1.910 / 11.9	
LAT= 6.0	U=	1.063 / 7.7	V=	1.088 / 10.2	W=	.041255 / 2.6	T=	1.750 / 0.0	
LAT= 12.0	U=	.978 / 7.7	V=	1.951 / 10.2	W=	.029454 / 2.8	T=	1.313 / .3	
LAT= 18.0	U=	.820 / 7.8	V=	2.427 / 10.4	W=	.013923 / 3.6	T=	.738 / 1.1	
LAT= 24.0	U=	.567 / 8.0	V=	2.460 / 10.6	W=	.009696 / 6.9	T=	.511 / 3.6	
LAT= 30.0	U=	.245 / 8.8	V=	2.101 / 10.9	W=	.022686 / 8.2	T=	.972 / 5.1	
LAT= 36.0	U=	.296 / .3	V=	1.507 / 11.5	W=	.032904 / 8.6	T=	1.436 / 5.7	
LAT= 42.0	U=	.722 / 1.0	V=	.944 / .6	W=	.037870 / 8.9	T=	1.708 / 6.1	
LAT= 48.0	U=	1.123 / 1.3	V=	.871 / 2.5	W=	.037778 / 9.2	T=	1.753 / 6.3	
LAT= 54.0	U=	1.434 / 1.5	V=	1.226 / 3.6	W=	.033726 / 9.5	T=	1.594 / 6.6	
LAT= 60.0	U=	1.672 / 1.6	V=	1.534 / 4.2	W=	.027655 / 9.8	T=	1.331 / 6.8	
LAT= 66.0	U=	1.651 / 1.7	V=	1.627 / 4.6	W=	.019459 / 10.1	T=	.945 / 7.0	
LAT= 72.0	U=	1.568 / 1.9	V=	1.491 / 4.9	W=	.013823 / 10.2	T=	.663 / 7.1	
LAT= 78.0	U=	1.086 / 1.8	V=	1.134 / 5.2	W=	.004288 / 9.9	T=	.244 / 6.8	
LAT= 84.0	U=	.562 / 2.2	V=	.716 / 5.8	W=	.000609 / .5	T=	.048 / 7.5	
Z = 209.865 KM									
LAT= 0.0	U=	.894 / 6.6	V=	0.000 / 2.0	W=	.051216 / 1.7	T=	1.722 / 11.4	
LAT= 6.0	U=	.867 / 6.7	V=	.988 / 9.1	W=	.046408 / 1.8	T=	1.583 / 11.5	
LAT= 12.0	U=	.793 / 6.7	V=	1.781 / 9.1	W=	.033507 / 2.0	T=	1.204 / 11.8	
LAT= 18.0	U=	.666 / 7.0	V=	2.240 / 9.3	W=	.016849 / 2.8	T=	.717 / .7	
LAT= 24.0	U=	.479 / 7.5	V=	2.312 / 9.5	W=	.011795 / 5.8	T=	.526 / 2.9	
LAT= 30.0	U=	.313 / 8.9	V=	2.034 / 9.8	W=	.025496 / 7.2	T=	.909 / 4.5	
LAT= 36.0	U=	.452 / 10.9	V=	1.524 / 10.3	W=	.037408 / 7.7	T=	1.333 / 5.1	
LAT= 42.0	U=	.811 / 11.6	V=	.990 / 11.3	W=	.043959 / 8.1	T=	1.608 / 5.4	
LAT= 48.0	U=	1.167 / 0.0	V=	.801 / 1.0	W=	.044902 / 8.4	T=	1.686 / 5.7	
LAT= 54.0	U=	1.435 / .2	V=	1.077 / 2.4	W=	.041105 / 8.7	T=	1.566 / 5.9	
LAT= 60.0	U=	1.653 / .4	V=	1.396 / 3.0	W=	.034514 / 9.0	T=	1.333 / 6.1	
LAT= 66.0	U=	1.639 / .6	V=	1.531 / 3.4	W=	.024766 / 9.2	T=	.964 / 6.3	
LAT= 72.0	U=	1.566 / .7	V=	1.430 / 3.7	W=	.017747 / 9.3	T=	.678 / 6.4	
LAT= 78.0	U=	1.064 / .6	V=	1.085 / 4.0	W=	.005517 / 9.2	T=	.256 / 6.3	
LAT= 84.0	U=	.541 / 1.0	V=	.664 / 4.6	W=	.001161 / 11.2	T=	.063 / 6.9	
Z = 240.988 KM									
LAT= 0.0	U=	.820 / 5.8	V=	0.000 / 2.0	W=	.055311 / 1.1	T=	1.661 / 11.2	
LAT= 6.0	U=	.796 / 5.9	V=	.973 / 8.3	W=	.050193 / 1.2	T=	1.529 / 11.2	
LAT= 12.0	U=	.724 / 6.0	V=	1.762 / 8.4	W=	.036519 / 1.5	T=	1.172 / 11.6	
LAT= 18.0	U=	.607 / 6.4	V=	2.233 / 8.6	W=	.019052 / 2.3	T=	.718 / .4	
LAT= 24.0	U=	.458 / 7.1	V=	2.332 / 8.8	W=	.013583 / 5.1	T=	.541 / 2.6	
LAT= 30.0	U=	.395 / 8.7	V=	2.091 / 9.1	W=	.027862 / 6.6	T=	.900 / 4.1	
LAT= 36.0	U=	.607 / 10.2	V=	1.612 / 9.6	W=	.040988 / 7.1	T=	1.318 / 4.8	
LAT= 42.0	U=	.983 / 10.9	V=	1.078 / 10.5	W=	.048542 / 7.5	T=	1.662 / 5.1	
LAT= 48.0	U=	1.348 / 11.2	V=	.841 / .2	W=	.049997 / 7.9	T=	1.700 / 5.4	
LAT= 54.0	U=	1.609 / 11.5	V=	1.095 / 1.6	W=	.046196 / 8.2	T=	1.597 / 5.6	
LAT= 60.0	U=	1.818 / 11.7	V=	1.414 / 2.3	W=	.039113 / 8.5	T=	1.372 / 5.8	
LAT= 66.0	U=	1.791 / 11.9	V=	1.615 / 2.7	W=	.028196 / 8.8	T=	1.001 / 6.0	
LAT= 72.0	U=	1.714 / 0.0	V=	1.525 / 3.0	W=	.020241 / 8.9	T=	.706 / 6.0	
LAT= 78.0	U=	1.154 / 11.9	V=	1.158 / 3.2	W=	.006353 / 8.9	T=	.270 / 6.0	
LAT= 84.0	U=	.587 / .3	V=	.698 / 3.9	W=	.001943 / 10.3	T=	.073 / 6.6	
Z = 272.831 KM									
LAT= 0.0	U=	.828 / 5.3	V=	0.000 / 2.0	W=	.056351 / .7	T=	1.658 / 11.0	
LAT= 6.0	U=	.802 / 5.4	V=	.993 / 7.9	W=	.053034 / .8	T=	1.528 / 11.1	
LAT= 12.0	U=	.725 / 5.6	V=	1.803 / 8.0	W=	.038822 / 1.1	T=	1.176 / 11.5	
LAT= 18.0	U=	.605 / 6.1	V=	2.297 / 8.2	W=	.020674 / 1.9	T=	.728 / .3	
LAT= 24.0	U=	.472 / 7.0	V=	2.421 / 8.4	W=	.014757 / 4.6	T=	.556 / 2.4	
LAT= 30.0	U=	.466 / 8.6	V=	2.195 / 8.8	W=	.029499 / 6.2	T=	.911 / 4.0	
LAT= 36.0	U=	.728 / 9.8	V=	1.714 / 9.2	W=	.043344 / 6.8	T=	1.332 / 4.6	
LAT= 42.0	U=	1.136 / 10.5	V=	1.163 / 10.1	W=	.051263 / 7.2	T=	1.628 / 5.0	
LAT= 48.0	U=	1.524 / 10.8	V=	.897 / 11.7	W=	.052735 / 7.6	T=	1.735 / 5.3	
LAT= 54.0	U=	1.793 / 11.1	V=	1.151 / 1.2	W=	.048730 / 7.9	T=	1.638 / 5.5	
LAT= 60.0	U=	2.000 / 11.4	V=	1.532 / 1.9	W=	.041306 / 8.2	T=	1.413 / 5.7	
LAT= 66.0	U=	1.958 / 11.5	V=	1.730 / 2.3	W=	.029733 / 8.5	T=	1.034 / 5.9	
LAT= 72.0	U=	1.871 / 11.0	V=	1.643 / 2.6	W=	.021270 / 8.6	T=	.730 / 5.9	
LAT= 78.0	U=	1.251 / 11.6	V=	1.246 / 2.9	W=	.006593 / 8.7	T=	.281 / 5.9	
LAT= 84.0	U=	.641 / 11.9	V=	.750 / 3.4	W=	.002693 / 10.0	T=	.078 / 6.4	

Table R3. Amplitude and Phase for the (2,4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 800 K

Z= 304.762 KM

LAT= 0.0	U= .859 / 5.1	V= 0.000 / 2.0	W= .060582 / .4	T= 1.681 / 11.0
LAT= 6.0	U= .831 / 5.1	V= 1.018 / 7.7	W= .055131 / .5	T= 1.549 / 11.1
LAT= 12.0	U= .750 / 5.4	V= 1.853 / 7.8	W= .040532 / .8	T= 1.195 / 11.4
LAT= 18.0	U= .623 / 5.9	V= 2.372 / 8.0	W= .021786 / 1.6	T= .744 / .3
LAT= 24.0	U= .495 / 6.9	V= 2.515 / 8.2	W= .015303 / 4.3	T= .570 / 2.4
LAT= 30.0	U= .521 / 8.5	V= 2.294 / 8.6	W= .030330 / 5.9	T= .928 / 3.9
LAT= 36.0	U= .817 / 9.7	V= 1.804 / 9.0	W= .044463 / 6.5	T= 1.358 / 4.6
LAT= 42.0	U= 1.251 / 10.3	V= 1.230 / 9.9	W= .052321 / 6.9	T= 1.662 / 4.9
LAT= 48.0	U= 1.660 / 10.6	V= .942 / 11.5	W= .053418 / 7.3	T= 1.776 / 5.2
LAT= 54.0	U= 1.938 / 10.9	V= 1.204 / 1.0	W= .049096 / 7.7	T= 1.680 / 5.4
LAT= 60.0	U= 2.146 / 11.2	V= 1.609 / 1.8	W= .041495 / 8.0	T= 1.453 / 5.6
LAT= 66.0	U= 2.091 / 11.3	V= 1.829 / 2.2	W= .029753 / 8.3	T= 1.064 / 5.8
LAT= 72.0	U= 1.994 / 11.4	V= 1.740 / 2.4	W= .021186 / 8.4	T= .752 / 5.8
LAT= 78.0	U= 1.329 / 11.4	V= 1.318 / 2.7	W= .006345 / 8.5	T= .291 / 5.9
LAT= 84.0	U= .683 / 11.7	V= .791 / 3.2	W= .003210 / 9.9	T= .082 / 6.3

Z= 336.754 KM

LAT= 0.0	U= .894 / 4.9	V= 0.000 / 2.0	W= .062278 / .1	T= 1.714 / 11.0
LAT= 6.0	U= .864 / 5.0	V= 1.041 / 7.6	W= .056725 / .2	T= 1.581 / 11.1
LAT= 12.0	U= .777 / 5.3	V= 1.901 / 7.7	W= .041817 / .5	T= 1.220 / 11.4
LAT= 18.0	U= .644 / 5.8	V= 2.441 / 7.9	W= .022527 / 1.3	T= .761 / .3
LAT= 24.0	U= .518 / 6.8	V= 2.597 / 8.1	W= .015330 / 4.0	T= .534 / 2.4
LAT= 30.0	U= .561 / 8.4	V= 2.377 / 8.4	W= .030456 / 5.6	T= .950 / 3.9
LAT= 36.0	U= .879 / 9.6	V= 1.874 / 8.9	W= .044548 / 6.3	T= 1.389 / 4.5
LAT= 42.0	U= 1.333 / 10.2	V= 1.281 / 9.8	W= .052000 / 6.7	T= 1.701 / 4.9
LAT= 48.0	U= 1.758 / 10.5	V= .978 / 11.4	W= .052503 / 7.1	T= 1.819 / 5.2
LAT= 54.0	U= 2.044 / 10.8	V= 1.247 / .9	W= .047788 / 7.5	T= 1.723 / 5.4
LAT= 60.0	U= 2.254 / 11.1	V= 1.670 / 1.7	W= .040126 / 7.8	T= 1.491 / 5.6
LAT= 66.0	U= 2.192 / 11.2	V= 1.904 / 2.1	W= .028601 / 8.1	T= 1.092 / 5.8
LAT= 72.0	U= 2.088 / 11.3	V= 1.816 / 2.3	W= .020278 / 8.2	T= .772 / 5.8
LAT= 78.0	U= 1.386 / 11.3	V= 1.372 / 2.6	W= .005742 / 8.4	T= .299 / 5.8
LAT= 84.0	U= .715 / 11.6	V= .822 / 3.1	W= .003496 / 9.9	T= .085 / 6.2

Z= 368.753 KM

LAT= 0.0	U= .923 / 4.9	V= 0.000 / 2.0	W= .063641 / 11.9	T= 1.751 / 11.0
LAT= 6.0	U= .892 / 4.9	V= 1.063 / 7.5	W= .058007 / 0.0	T= 1.615 / 11.1
LAT= 12.0	U= .801 / 5.2	V= 1.944 / 7.6	W= .042845 / .3	T= 1.246 / 11.4
LAT= 18.0	U= .664 / 5.7	V= 2.503 / 7.8	W= .023064 / 1.0	T= .778 / .3
LAT= 24.0	U= .536 / 6.8	V= 2.667 / 8.1	W= .014973 / 3.8	T= .598 / 2.3
LAT= 30.0	U= .590 / 8.4	V= 2.445 / 8.4	W= .030012 / 5.4	T= .971 / 3.9
LAT= 36.0	U= .923 / 9.5	V= 1.930 / 8.9	W= .043823 / 6.0	T= 1.421 / 4.5
LAT= 42.0	U= 1.392 / 10.1	V= 1.320 / 9.7	W= .050642 / 6.5	T= 1.740 / 4.9
LAT= 48.0	U= 1.830 / 10.5	V= 1.006 / 11.3	W= .050379 / 6.9	T= 1.861 / 5.2
LAT= 54.0	U= 2.122 / 10.8	V= 1.281 / .9	W= .045198 / 7.3	T= 1.764 / 5.4
LAT= 60.0	U= 2.335 / 11.0	V= 1.720 / 1.6	W= .037547 / 7.6	T= 1.527 / 5.6
LAT= 66.0	U= 2.267 / 11.2	V= 1.964 / 2.0	W= .026523 / 7.9	T= 1.119 / 5.8
LAT= 72.0	U= 2.158 / 11.3	V= 1.873 / 2.3	W= .018728 / 8.0	T= .791 / 5.8
LAT= 78.0	U= 1.431 / 11.3	V= 1.413 / 2.5	W= .004875 / 8.3	T= .306 / 5.8
LAT= 84.0	U= .739 / 11.6	V= .846 / 3.1	W= .003593 / 9.9	T= .088 / 6.2

Z= 400.753 KM

LAT= 0.0	U= .947 / 4.9	V= 0.000 / 2.0	W= .064661 / 11.6	T= 1.788 / 11.0
LAT= 6.0	U= .915 / 4.9	V= 1.065 / 7.5	W= .058982 / 11.7	T= 1.649 / 11.1
LAT= 12.0	U= .821 / 5.2	V= 1.984 / 7.6	W= .043671 / 0.0	T= 1.273 / 11.4
LAT= 18.0	U= .681 / 5.7	V= 2.557 / 7.8	W= .023519 / .8	T= .795 / .3
LAT= 24.0	U= .552 / 6.8	V= 2.728 / 8.0	W= .014350 / 3.5	T= .611 / 2.3
LAT= 30.0	U= .611 / 8.3	V= 2.504 / 8.4	W= .029060 / 5.2	T= .992 / 3.9
LAT= 36.0	U= .953 / 9.5	V= 1.978 / 8.8	W= .042292 / 5.8	T= 1.452 / 4.5
LAT= 42.0	U= 1.435 / 10.1	V= 1.352 / 9.7	W= .046426 / 6.2	T= 1.777 / 4.9
LAT= 48.0	U= 1.883 / 10.5	V= 1.079 / 11.3	W= .047272 / 6.6	T= 1.902 / 5.2
LAT= 54.0	U= 2.182 / 10.7	V= 1.311 / .8	W= .041547 / 7.1	T= 1.802 / 5.4
LAT= 60.0	U= 2.399 / 11.0	V= 1.761 / 1.6	W= .033946 / 7.4	T= 1.561 / 5.6
LAT= 66.0	U= 2.328 / 11.2	V= 2.012 / 2.0	W= .023643 / 7.7	T= 1.143 / 5.8
LAT= 72.0	U= 2.214 / 11.3	V= 1.921 / 2.2	W= .016610 / 7.8	T= .808 / 5.8
LAT= 78.0	U= 1.467 / 11.3	V= 1.449 / 2.5	W= .003799 / 8.1	T= .314 / 5.8
LAT= 84.0	U= .759 / 11.6	V= .867 / 3.0	W= .003532 / 10.0	T= .089 / 6.2

Table B3. Amplitude and Phase for the (2,4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, At Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1000$ K									
Z= 81.010 KM									
LAT= 0.0	U=	.128 / 1.0	V=	0.000 / 7.5	W=	.001597 / 7.7	T=	.141 / 5.4	
LAT= 6.0	U=	.134 / 1.0	V=	.276 / 3.8	W=	.001308 / 7.7	T=	.115 / 5.4	
LAT= 12.0	U=	.138 / .9	V=	.446 / 3.8	W=	.000554 / 7.7	T=	.048 / 5.5	
LAT= 18.0	U=	.107 / 1.0	V=	.450 / 3.9	W=	.000394 / 1.6	T=	.036 / 11.2	
LAT= 24.0	U=	.017 / 2.2	V=	.290 / 4.0	W=	.001221 / 1.6	T=	.108 / 11.3	
LAT= 30.0	U=	.144 / 6.7	V=	.038 / 5.6	W=	.001711 / 1.7	T=	.151 / 11.4	
LAT= 36.0	U=	.330 / 6.8	V=	.267 / 9.7	W=	.001805 / 1.7	T=	.159 / 11.4	
LAT= 42.0	U=	.503 / 6.8	V=	.503 / 9.8	W=	.001582 / 1.7	T=	.139 / 11.4	
LAT= 48.0	U=	.620 / 6.9	V=	.648 / 9.9	W=	.001191 / 1.7	T=	.104 / 11.4	
LAT= 54.0	U=	.663 / 6.9	V=	.692 / 9.9	W=	.000781 / 1.7	T=	.069 / 11.4	
LAT= 60.0	U=	.633 / 7.0	V=	.651 / 10.0	W=	.000441 / 1.7	T=	.039 / 11.4	
LAT= 66.0	U=	.546 / 7.0	V=	.553 / 10.0	W=	.000220 / 1.7	T=	.019 / 11.4	
LAT= 72.0	U=	.430 / 7.1	V=	.423 / 10.1	W=	.000101 / 1.9	T=	.009 / 11.7	
LAT= 78.0	U=	.278 / 7.1	V=	.260 / 10.1	W=	.000018 / .7	T=	.001 / 10.3	
LAT= 84.0	U=	.139 / 7.1	V=	.139 / 10.1	W=	.000004 / 11.2	T=	0.000 / 8.4	
Z= 84.009 KM									
LAT= 0.0	U=	.159 / .4	V=	0.000 / 7.5	W=	.001935 / 6.5	T=	.161 / 4.4	
LAT= 6.0	U=	.167 / .4	V=	.348 / 3.3	W=	.001594 / 6.5	T=	.132 / 4.4	
LAT= 12.0	U=	.173 / .4	V=	.562 / 3.3	W=	.000697 / 6.5	T=	.056 / 4.4	
LAT= 18.0	U=	.134 / .4	V=	.567 / 3.3	W=	.000447 / .4	T=	.041 / 10.3	
LAT= 24.0	U=	.019 / 1.6	V=	.365 / 3.4	W=	.001476 / .5	T=	.128 / 10.3	
LAT= 30.0	U=	.182 / 6.2	V=	.038 / 4.7	W=	.002123 / .5	T=	.181 / 10.3	
LAT= 36.0	U=	.420 / 6.3	V=	.338 / 9.2	W=	.002294 / .5	T=	.194 / 10.3	
LAT= 42.0	U=	.638 / 6.3	V=	.638 / 9.3	W=	.002063 / .6	T=	.174 / 10.3	
LAT= 48.0	U=	.788 / 6.3	V=	.823 / 9.3	W=	.001539 / .6	T=	.134 / 10.3	
LAT= 54.0	U=	.843 / 6.4	V=	.879 / 9.4	W=	.001084 / .6	T=	.090 / 10.3	
LAT= 60.0	U=	.804 / 6.4	V=	.827 / 9.4	W=	.000636 / .6	T=	.053 / 10.4	
LAT= 66.0	U=	.694 / 6.4	V=	.702 / 9.4	W=	.000336 / .7	T=	.028 / 10.4	
LAT= 72.0	U=	.545 / 6.4	V=	.535 / 9.4	W=	.000161 / .8	T=	.013 / 10.5	
LAT= 78.0	U=	.352 / 6.4	V=	.355 / 9.4	W=	.000044 / .8	T=	.003 / 10.0	
LAT= 84.0	U=	.176 / 6.4	V=	.178 / 9.4	W=	.000002 / 10.9	T=	0.000 / 8.2	
Z= 87.062 KM									
LAT= 0.0	U=	.180 / 11.7	V=	0.000 / 7.5	W=	.002974 / 5.4	T=	.223 / 3.0	
LAT= 6.0	U=	.189 / 11.8	V=	.342 / 2.7	W=	.002446 / 5.4	T=	.183 / 3.0	
LAT= 12.0	U=	.195 / 11.8	V=	.638 / 2.7	W=	.001658 / 5.4	T=	.077 / 3.0	
LAT= 18.0	U=	.151 / 11.8	V=	.651 / 2.7	W=	.000695 / 11.4	T=	.057 / 9.1	
LAT= 24.0	U=	.019 / .1	V=	.429 / 2.7	W=	.002246 / 11.4	T=	.176 / 9.1	
LAT= 30.0	U=	.207 / 5.7	V=	.050 / 2.2	W=	.003190 / 11.4	T=	.250 / 9.1	
LAT= 36.0	U=	.484 / 5.7	V=	.378 / 8.7	W=	.003403 / 11.5	T=	.268 / 9.1	
LAT= 42.0	U=	.748 / 5.6	V=	.742 / 8.6	W=	.003019 / 11.5	T=	.239 / 9.2	
LAT= 48.0	U=	.940 / 5.6	V=	.979 / 8.6	W=	.002307 / 11.5	T=	.185 / 9.2	
LAT= 54.0	U=	1.023 / 5.6	V=	1.055 / 8.6	W=	.001538 / 11.6	T=	.124 / 9.3	
LAT= 60.0	U=	.990 / 5.5	V=	1.020 / 8.5	W=	.000886 / 11.7	T=	.072 / 9.3	
LAT= 66.0	U=	.870 / 5.5	V=	.879 / 8.5	W=	.000452 / 11.8	T=	.038 / 9.4	
LAT= 72.0	U=	.689 / 5.5	V=	.679 / 8.5	W=	.000219 / 11.8	T=	.018 / 9.5	
LAT= 78.0	U=	.455 / 5.4	V=	.455 / 8.5	W=	.000049 / .7	T=	.004 / 9.8	
LAT= 84.0	U=	.226 / 5.5	V=	.226 / 8.5	W=	.000003 / 1.0	T=	0.000 / 9.7	
Z= 90.176 KM									
LAT= 0.0	U=	.195 / 10.8	V=	0.000 / 7.5	W=	.004811 / 4.6	T=	.367 / 2.0	
LAT= 6.0	U=	.204 / 10.8	V=	.425 / 1.8	W=	.003936 / 4.6	T=	.299 / 2.0	
LAT= 12.0	U=	.210 / 10.8	V=	.697 / 1.8	W=	.001657 / 4.5	T=	.123 / 1.9	
LAT= 18.0	U=	.163 / 10.8	V=	.720 / 1.7	W=	.001183 / 10.8	T=	.097 / 6.3	
LAT= 24.0	U=	.019 / 10.5	V=	.487 / 1.7	W=	.003606 / 10.7	T=	.283 / 8.2	
LAT= 30.0	U=	.230 / 4.8	V=	.076 / 1.0	W=	.004989 / 10.7	T=	.389 / 8.1	
LAT= 36.0	U=	.543 / 4.7	V=	.411 / 7.8	W=	.005185 / 10.6	T=	.405 / 8.1	
LAT= 42.0	U=	.852 / 4.7	V=	.837 / 7.7	W=	.004469 / 10.6	T=	.349 / 8.1	
LAT= 48.0	U=	1.086 / 4.6	V=	1.128 / 7.6	W=	.003305 / 10.6	T=	.259 / 8.2	
LAT= 54.0	U=	1.201 / 4.6	V=	1.251 / 7.6	W=	.002119 / 10.6	T=	.166 / 8.2	
LAT= 60.0	U=	1.181 / 4.6	V=	1.217 / 7.6	W=	.001166 / 10.6	T=	.091 / 8.2	
LAT= 66.0	U=	1.053 / 4.5	V=	1.062 / 7.5	W=	.000542 / 10.6	T=	.043 / 8.3	
LAT= 72.0	U=	.841 / 4.5	V=	.830 / 7.5	W=	.000262 / 10.5	T=	.020 / 8.2	
LAT= 78.0	U=	.565 / 4.5	V=	.561 / 7.5	W=	.000009 / 7.8	T=	.001 / 9.9	
LAT= 84.0	U=	.279 / 4.5	V=	.279 / 7.5	W=	.000014 / 1.3	T=	.001 / 10.2	

Table B3. Amplitude and Phase for the (2,4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1000$ K											
Z= 93.363 KM											
LAT= 0.0	U=	.253 / 9.4	V=	0.000 / 7.5	W=	.006948 / 3.9	T=	.553 / 1.3			
LAT= 6.0	U=	.270 / 9.4	V=	.622 / .4	W=	.005693 / 3.9	T=	.452 / 1.3			
LAT= 12.0	U=	.286 / 9.4	V=	.995 / .4	W=	.002430 / 3.8	T=	.190 / 1.1			
LAT= 18.0	U=	.219 / 9.3	V=	.980 / .4	W=	.001658 / 10.3	T=	.139 / 7.7			
LAT= 24.0	U=	.004 / 7.9	V=	.593 / .5	W=	.005111 / 10.1	T=	.414 / 7.5			
LAT= 30.0	U=	.352 / 3.4	V=	.033 / 4.4	W=	.007084 / 10.0	T=	.570 / 7.4			
LAT= 36.0	U=	.767 / 3.4	V=	.651 / 6.4	W=	.007370 / 10.0	T=	.589 / 7.4			
LAT= 42.0	U=	1.132 / 3.4	V=	1.148 / 6.4	W=	.006367 / 9.9	T=	.505 / 7.3			
LAT= 48.0	U=	1.358 / 3.5	V=	1.422 / 6.5	W=	.004729 / 9.9	T=	.372 / 7.3			
LAT= 54.0	U=	1.414 / 3.5	V=	1.471 / 6.6	W=	.003057 / 9.8	T=	.238 / 7.3			
LAT= 60.0	U=	1.310 / 3.5	V=	1.344 / 6.5	W=	.001711 / 9.7	T=	.131 / 7.2			
LAT= 66.0	U=	1.105 / 3.6	V=	1.111 / 6.6	W=	.000805 / 9.7	T=	.060 / 7.2			
LAT= 72.0	U=	.837 / 3.6	V=	.826 / 6.6	W=	.000412 / 9.6	T=	.030 / 7.1			
LAT= 78.0	U=	.535 / 3.6	V=	.535 / 6.6	W=	.000069 / 7.2	T=	.003 / 4.1			
LAT= 84.0	U=	.269 / 3.6	V=	.261 / 6.7	W=	.000018 / 1.1	T=	.002 / 9.8			
Z= 96.638 KM											
LAT= 0.0	U=	.393 / 8.2	V=	0.000 / 9.2	W=	.008532 / 3.2	T=	.715 / .6			
LAT= 6.0	U=	.426 / 8.2	V=	1.033 / 11.2	W=	.007090 / 3.2	T=	.591 / .6			
LAT= 12.0	U=	.457 / 8.2	V=	1.622 / 11.2	W=	.003280 / 3.2	T=	.267 / .5			
LAT= 18.0	U=	.345 / 8.1	V=	1.536 / 11.3	W=	.001595 / 9.3	T=	.142 / 7.0			
LAT= 24.0	U=	.030 / 4.7	V=	.850 / 11.3	W=	.006002 / 9.3	T=	.491 / 6.8			
LAT= 30.0	U=	.567 / 2.4	V=	.144 / 5.1	W=	.008807 / 9.3	T=	.698 / 6.8			
LAT= 36.0	U=	1.175 / 2.4	V=	1.087 / 5.3	W=	.009595 / 9.3	T=	.737 / 6.8			
LAT= 42.0	U=	1.650 / 2.4	V=	1.732 / 5.4	W=	.008662 / 9.3	T=	.644 / 6.8			
LAT= 48.0	U=	1.877 / 2.5	V=	1.990 / 5.5	W=	.006714 / 9.4	T=	.483 / 6.8			
LAT= 54.0	U=	1.839 / 2.5	V=	1.918 / 5.5	W=	.004518 / 9.5	T=	.315 / 6.9			
LAT= 60.0	U=	1.598 / 2.5	V=	1.636 / 5.5	W=	.002629 / 9.6	T=	.178 / 7.0			
LAT= 66.0	U=	1.260 / 2.5	V=	1.264 / 5.5	W=	.001302 / 9.9	T=	.086 / 7.2			
LAT= 72.0	U=	.900 / 2.4	V=	.885 / 5.4	W=	.000694 / 10.1	T=	.044 / 7.3			
LAT= 78.0	U=	.525 / 2.4	V=	.546 / 5.3	W=	.000146 / 10.7	T=	.008 / 7.7			
LAT= 84.0	U=	.274 / 2.4	V=	.268 / 5.2	W=	.000050 / 8.6	T=	.002 / 6.2			
Z= 100.017 KM											
LAT= 0.0	U=	.569 / 7.4	V=	0.000 / 8.3	W=	.010158 / 2.3	T=	.898 / 11.7			
LAT= 6.0	U=	.595 / 7.4	V=	1.238 / 10.5	W=	.008523 / 2.3	T=	.755 / 11.7			
LAT= 12.0	U=	.613 / 7.4	V=	2.018 / 10.5	W=	.004161 / 2.4	T=	.372 / 11.8			
LAT= 18.0	U=	.485 / 7.3	V=	2.059 / 10.5	W=	.001620 / 7.8	T=	.124 / 5.9			
LAT= 24.0	U=	.117 / 6.1	V=	1.361 / 10.5	W=	.006958 / 8.3	T=	.587 / 5.9			
LAT= 30.0	U=	.600 / 1.9	V=	.165 / 10.4	W=	.010614 / 8.4	T=	.896 / 5.9			
LAT= 36.0	U=	1.425 / 1.8	V=	1.162 / 4.7	W=	.011926 / 8.5	T=	1.000 / 6.0			
LAT= 42.0	U=	2.211 / 1.8	V=	2.275 / 4.7	W=	.011075 / 8.7	T=	.920 / 6.1			
LAT= 48.0	U=	2.766 / 1.8	V=	2.961 / 4.8	W=	.008812 / 8.9	T=	.724 / 6.3			
LAT= 54.0	U=	2.984 / 1.8	V=	3.170 / 4.8	W=	.006078 / 9.1	T=	.495 / 6.4			
LAT= 60.0	U=	2.854 / 1.8	V=	2.972 / 4.8	W=	.003635 / 9.4	T=	.293 / 6.7			
LAT= 66.0	U=	2.460 / 1.9	V=	2.500 / 4.9	W=	.001899 / 9.9	T=	.150 / 7.1			
LAT= 72.0	U=	1.913 / 1.9	V=	1.885 / 4.9	W=	.001080 / 10.3	T=	.084 / 7.4			
LAT= 78.0	U=	1.232 / 1.9	V=	1.231 / 4.9	W=	.000433 / 11.0	T=	.029 / 8.0			
LAT= 84.0	U=	.616 / 1.9	V=	.601 / 4.9	W=	.000161 / 8.2	T=	.010 / 5.2			
Z= 103.521 KM											
LAT= 0.0	U=	.863 / 6.6	V=	0.000 / 1.3	W=	.012540 / 1.3	T=	1.265 / 10.8			
LAT= 6.0	U=	.892 / 6.6	V=	1.714 / 9.6	W=	.010532 / 1.3	T=	1.069 / 10.8			
LAT= 12.0	U=	.907 / 6.6	V=	2.836 / 9.7	W=	.005178 / 1.4	T=	.542 / 10.9			
LAT= 18.0	U=	.736 / 6.5	V=	2.984 / 9.7	W=	.001968 / 6.7	T=	.151 / 4.5			
LAT= 24.0	U=	.241 / 5.6	V=	2.103 / 9.8	W=	.008483 / 7.2	T=	.802 / 4.8			
LAT= 30.0	U=	.732 / 1.2	V=	.474 / 10.1	W=	.012932 / 7.4	T=	1.248 / 4.9			
LAT= 36.0	U=	1.908 / 1.0	V=	1.467 / 3.7	W=	.014485 / 7.6	T=	1.411 / 5.1			
LAT= 42.0	U=	3.101 / .9	V=	3.187 / 3.8	W=	.013377 / 7.7	T=	1.310 / 5.2			
LAT= 48.0	U=	4.027 / .9	V=	4.351 / 3.9	W=	.010556 / 7.9	T=	1.041 / 5.4			
LAT= 54.0	U=	4.483 / 1.0	V=	4.813 / 3.9	W=	.007196 / 8.2	T=	.714 / 5.6			
LAT= 60.0	U=	4.412 / 1.0	V=	4.631 / 4.0	W=	.004241 / 8.6	T=	.425 / 5.9			
LAT= 66.0	U=	3.885 / 1.1	V=	3.975 / 4.1	W=	.002180 / 9.1	T=	.220 / 6.4			
LAT= 72.0	U=	3.084 / 1.1	V=	3.048 / 4.1	W=	.001263 / 9.7	T=	.128 / 6.9			
LAT= 78.0	U=	2.034 / 1.2	V=	2.014 / 4.2	W=	.000580 / 10.5	T=	.053 / 7.5			
LAT= 84.0	U=	1.010 / 1.2	V=	.986 / 4.3	W=	.000182 / 8.0	T=	.016 / 4.9			

Table B3. Amplitude and Phase for the (2,4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T ₀ = 1000 K										
Z= 107.177 KM										
LAT= 0.0	U= 1.290 / 5.6	V= 0.000 / 12.0	W= .015355 / 12.0	T= 1.861 / 9.5						
LAT= 6.0	U= 1.320 / 5.6	V= 2.384 / 8.5	W= .012928 / 12.0	T= 1.579 / 9.5						
LAT= 12.0	U= 1.323 / 5.5	V= 3.968 / 8.6	W= .006466 / .2	T= .829 / 9.7						
LAT= 18.0	U= 1.091 / 5.3	V= 4.232 / 8.6	W= .002147 / 5.4	T= .183 / 2.6						
LAT= 24.0	U= .439 / 4.8	V= 3.111 / 8.8	W= .009901 / 6.0	T= 1.100 / 3.5						
LAT= 30.0	U= .803 / .1	V= 1.029 / 9.5	W= .015128 / 6.1	T= 1.738 / 3.6						
LAT= 36.0	U= 2.309 / 11.8	V= 1.707 / 2.1	W= .016851 / 6.3	T= 1.973 / 3.8						
LAT= 42.0	U= 3.852 / 11.7	V= 3.965 / 2.5	W= .015418 / 6.5	T= 1.835 / 4.0						
LAT= 48.0	U= 5.060 / 11.8	V= 5.516 / 2.6	W= .012031 / 6.7	T= 1.456 / 4.2						
LAT= 54.0	U= 5.671 / 11.8	V= 6.148 / 2.8	W= .008104 / 7.0	T= 1.001 / 4.5						
LAT= 60.0	U= 5.607 / 11.9	V= 5.930 / 2.9	W= .004724 / 7.4	T= .601 / 4.8						
LAT= 66.0	U= 4.936 / 12.0	V= 5.092 / 3.0	W= .002394 / 8.0	T= .314 / 5.4						
LAT= 72.0	U= 3.929 / .1	V= 3.897 / 3.1	W= .001398 / 8.6	T= .190 / 6.0						
LAT= 78.0	U= 2.611 / .1	V= 2.563 / 3.2	W= .000642 / 9.4	T= .085 / 6.4						
LAT= 84.0	U= 1.291 / .1	V= 1.237 / 3.3	W= .000123 / 7.4	T= .017 / 4.5						
Z= 111.019 KM										
LAT= 0.0	U= 1.690 / 4.4	V= 0.000 / 10.6	W= .018283 / 10.6	T= 2.604 / 7.9						
LAT= 6.0	U= 1.694 / 4.3	V= 2.769 / 7.2	W= .015494 / 10.6	T= 2.229 / 8.0						
LAT= 12.0	U= 1.636 / 4.2	V= 4.662 / 7.3	W= .008070 / 10.7	T= 1.227 / 8.1						
LAT= 18.0	U= 1.344 / 4.0	V= 5.104 / 7.4	W= .001812 / 3.8	T= .190 / 12.0						
LAT= 24.0	U= .653 / 3.5	V= 4.014 / 7.6	W= .010662 / 4.6	T= 1.357 / 1.8						
LAT= 30.0	U= .668 / 11.0	V= 1.867 / 8.2	W= .016643 / 4.7	T= 2.210 / 2.1						
LAT= 36.0	U= 2.198 / 10.5	V= 1.506 / 12.0	W= .018637 / 4.9	T= 2.532 / 2.2						
LAT= 42.0	U= 3.819 / 10.4	V= 3.854 / 1.0	W= .017073 / 5.1	T= 2.367 / 2.5						
LAT= 48.0	U= 5.135 / 10.5	V= 5.618 / 1.3	W= .013333 / 5.3	T= 1.892 / 2.7						
LAT= 54.0	U= 5.862 / 10.5	V= 6.420 / 1.5	W= .009011 / 5.6	T= 1.318 / 3.1						
LAT= 60.0	U= 5.892 / 10.6	V= 6.294 / 1.6	W= .005313 / 6.0	T= .814 / 3.5						
LAT= 66.0	U= 5.245 / 10.7	V= 5.473 / 1.8	W= .002751 / 6.6	T= .444 / 4.1						
LAT= 72.0	U= 4.250 / 10.9	V= 4.226 / 1.9	W= .001663 / 7.2	T= .284 / 4.6						
LAT= 78.0	U= 2.869 / 11.0	V= 2.785 / 2.0	W= .000729 / 7.6	T= .124 / 4.7						
LAT= 84.0	U= 1.402 / 11.0	V= 1.321 / 2.2	W= .000122 / 5.2	T= .021 / 2.8						
Z= 115.091 KM										
LAT= 0.0	U= 1.868 / 3.1	V= 0.000 / 9.3	W= .021415 / 9.3	T= 3.304 / 6.4						
LAT= 6.0	U= 1.840 / 3.1	V= 2.734 / 6.0	W= .018336 / 9.3	T= 2.854 / 6.4						
LAT= 12.0	U= 1.716 / 2.9	V= 4.661 / 6.0	W= .010119 / 9.4	T= 1.655 / 6.6						
LAT= 18.0	U= 1.394 / 2.7	V= 5.246 / 6.2	W= .001005 / 1.7	T= .214 / 8.9						
LAT= 24.0	U= .766 / 2.2	V= 4.397 / 6.4	W= .010804 / 3.3	T= 1.456 / .3						
LAT= 30.0	U= .494 / 10.4	V= 2.523 / 7.0	W= .017710 / 3.4	T= 2.498 / .5						
LAT= 36.0	U= 1.759 / 9.3	V= 1.311 / 9.6	W= .020293 / 3.6	T= 2.923 / .7						
LAT= 42.0	U= 3.189 / 9.2	V= 3.083 / 11.4	W= .018940 / 3.8	T= 2.775 / 1.0						
LAT= 48.0	U= 4.411 / 9.2	V= 4.786 / 11.9	W= .015095 / 4.0	T= 2.256 / 1.2						
LAT= 54.0	U= 5.157 / 9.3	V= 5.679 / .2	W= .010464 / 4.3	T= 1.609 / 1.6						
LAT= 60.0	U= 5.310 / 9.5	V= 5.721 / .4	W= .006379 / 4.6	T= 1.028 / 2.0						
LAT= 66.0	U= 4.821 / 9.6	V= 5.088 / .6	W= .003411 / 5.1	T= .583 / 2.5						
LAT= 72.0	U= 4.030 / 9.8	V= 4.004 / .8	W= .002128 / 5.6	T= .384 / 2.9						
LAT= 78.0	U= 2.786 / 9.9	V= 2.671 / .9	W= .000952 / 5.7	T= .168 / 2.8						
LAT= 84.0	U= 1.349 / 9.9	V= 1.264 / 1.1	W= .000126 / 3.7	T= .036 / .8						
Z= 119.451 KM										
LAT= 0.0	U= 1.864 / 2.0	V= 0.000 / 8.2	W= .024913 / 8.1	T= 3.767 / 5.1						
LAT= 6.0	U= 1.814 / 1.9	V= 2.471 / 4.8	W= .021578 / 8.2	T= 3.288 / 5.1						
LAT= 12.0	U= 1.656 / 1.8	V= 4.259 / 4.9	W= .012636 / 8.3	T= 2.004 / 5.3						
LAT= 18.0	U= 1.339 / 1.5	V= 4.903 / 5.0	W= .001202 / 9.9	T= .371 / 6.5						
LAT= 24.0	U= .809 / 1.0	V= 4.314 / 5.3	W= .010662 / 2.1	T= 1.378 / 10.9						
LAT= 30.0	U= .374 / 10.1	V= 2.810 / 5.8	W= .018780 / 2.3	T= 2.553 / 11.2						
LAT= 36.0	U= 1.277 / 8.3	V= 1.339 / 7.6	W= .022326 / 2.4	T= 3.090 / 11.4						
LAT= 42.0	U= 2.443 / 8.1	V= 2.288 / 9.9	W= .021534 / 2.6	T= 3.018 / 11.6						
LAT= 48.0	U= 3.489 / 8.1	V= 3.739 / 10.6	W= .017810 / 2.8	T= 2.533 / 11.9						
LAT= 54.0	U= 4.186 / 8.2	V= 4.614 / 11.0	W= .012913 / 3.1	T= 1.877 / .2						
LAT= 60.0	U= 4.417 / 8.4	V= 4.784 / 11.3	W= .008337 / 3.4	T= 1.254 / .6						
LAT= 66.0	U= 4.095 / 8.6	V= 4.355 / 11.5	W= .004698 / 3.8	T= .739 / 1.0						
LAT= 72.0	U= 3.541 / 8.8	V= 3.499 / 11.7	W= .003023 / 4.2	T= .490 / 1.3						
LAT= 78.0	U= 2.504 / 8.8	V= 2.369 / 11.9	W= .001348 / 4.1	T= .210 / 1.1						
LAT= 84.0	U= 1.204 / 8.9	V= 1.135 / .3	W= .000344 / 2.5	T= .047 / 11.3						

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 1000 K

Z = 124.175 KM

LAT= 0.0	U= 1.802 / 1.0	V= 0.000 / 7.2	W= .028605 / 7.2	T= 3.901 / 4.1
LAT= 6.0	U= 1.744 / .9	V= 2.174 / 3.8	W= .025041 / 7.2	T= 3.439 / 4.1
LAT= 12.0	U= 1.577 / .7	V= 3.778 / 3.9	W= .015426 / 7.3	T= 2.192 / 4.3
LAT= 18.0	U= 1.288 / .4	V= 4.425 / 4.0	W= .002800 / 8.2	T= .569 / 5.1
LAT= 24.0	U= .838 / 12.0	V= 4.027 / 4.2	W= .010408 / 1.1	T= 1.187 / 9.8
LAT= 30.0	U= .322 / 10.2	V= 2.833 / 4.7	W= .019926 / 1.3	T= 2.414 / 10.1
LAT= 36.0	U= .873 / 7.4	V= 1.530 / 6.0	W= .024703 / 1.5	T= 3.049 / 10.4
LAT= 42.0	U= 1.830 / 7.1	V= 1.759 / 8.5	W= .024736 / 1.6	T= 3.088 / 10.6
LAT= 48.0	U= 2.723 / 7.1	V= 2.900 / 9.5	W= .021322 / 1.9	T= 2.696 / 10.8
LAT= 54.0	U= 3.354 / 7.2	V= 3.691 / 9.9	W= .016248 / 2.1	T= 2.092 / 11.1
LAT= 60.0	U= 3.617 / 7.4	V= 3.918 / 10.3	W= .011163 / 2.4	T= 1.476 / 11.4
LAT= 66.0	U= 3.411 / 7.6	V= 3.636 / 10.6	W= .006697 / 2.8	T= .913 / 11.8
LAT= 72.0	U= 3.029 / 7.8	V= 2.973 / 10.8	W= .004480 / 3.1	T= .612 / 12.0
LAT= 78.0	U= 2.177 / 7.9	V= 2.042 / 11.0	W= .001945 / 2.8	T= .251 / 11.8
LAT= 84.0	U= 1.041 / 8.0	V= 1.000 / 11.5	W= .000459 / 1.3	T= .045 / 10.0

Z = 129.367 KM

LAT= 0.0	U= 1.730 / .1	V= 0.000 / 6.4	W= .032067 / 6.4	T= 3.774 / 3.3
LAT= 6.0	U= 1.672 / 12.0	V= 1.924 / 2.8	W= .028327 / 6.4	T= 3.355 / 3.4
LAT= 12.0	U= 1.513 / 11.8	V= 3.362 / 2.9	W= .018180 / 6.6	T= 2.223 / 3.5
LAT= 18.0	U= 1.255 / 11.5	V= 3.982 / 3.1	W= .004677 / 7.3	T= .724 / 4.2
LAT= 24.0	U= .861 / 11.2	V= 3.706 / 3.3	W= .010057 / .1	T= .968 / 8.8
LAT= 30.0	U= .322 / 10.2	V= 2.733 / 3.8	W= .020940 / .4	T= 2.172 / 9.3
LAT= 36.0	U= .588 / 6.4	V= 1.586 / 4.9	W= .027033 / .6	T= 2.871 / 9.5
LAT= 42.0	U= 1.420 / 6.0	V= 1.457 / 7.1	W= .028033 / .8	T= 3.021 / 9.8
LAT= 48.0	U= 2.203 / 6.1	V= 2.320 / 8.3	W= .025078 / 1.1	T= 2.745 / 10.0
LAT= 54.0	U= 2.773 / 6.2	V= 3.012 / 8.9	W= .019951 / 1.4	T= 2.227 / 10.3
LAT= 60.0	U= 3.035 / 6.4	V= 3.254 / 9.3	W= .014435 / 1.7	T= 1.651 / 10.6
LAT= 66.0	U= 2.891 / 6.6	V= 3.067 / 9.6	W= .009127 / 2.0	T= 1.067 / 10.9
LAT= 72.0	U= 2.612 / 6.8	V= 2.547 / 9.9	W= .006275 / 2.2	T= .724 / 11.1
LAT= 78.0	U= 1.891 / 6.9	V= 1.777 / 10.1	W= .002615 / 1.9	T= .284 / 10.8
LAT= 84.0	U= .902 / 7.1	V= .898 / 10.7	W= .000498 / .1	T= .032 / 9.0

Z = 135.169 KM

LAT= 0.0	U= 1.651 / 11.3	V= 0.000 / 11.9	W= .034945 / 5.7	T= 3.512 / 2.7
LAT= 6.0	U= 1.600 / 11.2	V= 1.729 / 1.9	W= .031102 / 5.7	T= 3.148 / 2.7
LAT= 12.0	U= 1.459 / 11.0	V= 3.032 / 2.0	W= .020619 / 5.9	T= 2.157 / 2.9
LAT= 18.0	U= 1.227 / 10.7	V= 3.622 / 2.2	W= .006554 / 6.6	T= .825 / 3.5
LAT= 24.0	U= .862 / 10.5	V= 3.426 / 2.4	W= .009656 / 11.2	T= .779 / 7.8
LAT= 30.0	U= .327 / 9.9	V= 2.609 / 2.8	W= .021617 / 11.7	T= 1.910 / 8.5
LAT= 36.0	U= .445 / 5.3	V= 1.594 / 3.8	W= .028897 / 11.9	T= 2.639 / 8.8
LAT= 42.0	U= 1.215 / 5.0	V= 1.286 / 5.9	W= .030842 / .2	T= 2.880 / 9.0
LAT= 48.0	U= 1.928 / 5.1	V= 1.939 / 7.3	W= .028409 / .4	T= 2.710 / 9.3
LAT= 54.0	U= 2.451 / 5.2	V= 2.557 / 7.9	W= .023349 / .7	T= 2.282 / 9.6
LAT= 60.0	U= 2.703 / 5.4	V= 2.814 / 8.3	W= .017546 / 1.0	T= 1.760 / 9.9
LAT= 66.0	U= 2.579 / 5.6	V= 2.698 / 8.6	W= .011519 / 1.4	T= 1.175 / 10.2
LAT= 72.0	U= 2.355 / 5.9	V= 2.283 / 8.9	W= .008027 / 1.6	T= .807 / 10.3
LAT= 78.0	U= 1.701 / 5.9	V= 1.622 / 9.2	W= .003185 / 1.2	T= .307 / 10.0
LAT= 84.0	U= .818 / 6.2	V= .856 / 9.8	W= .000482 / 10.5	T= .017 / 8.1

Z = 141.772 KM

LAT= 0.0	U= 1.570 / 10.5	V= 0.000 / 11.1	W= .037274 / 5.0	T= 3.209 / 2.0
LAT= 6.0	U= 1.526 / 10.5	V= 1.570 / 1.1	W= .033365 / 5.1	T= 2.897 / 2.1
LAT= 12.0	U= 1.406 / 10.3	V= 2.767 / 1.2	W= .022675 / 5.2	T= 2.043 / 2.3
LAT= 18.0	U= 1.191 / 10.0	V= 3.334 / 1.3	W= .008290 / 5.9	T= .882 / 2.9
LAT= 24.0	U= .835 / 9.8	V= 3.201 / 1.6	W= .009329 / 10.3	T= .643 / 6.8
LAT= 30.0	U= .309 / 9.3	V= 2.504 / 2.0	W= .021951 / 11.0	T= 1.672 / 7.8
LAT= 36.0	U= .412 / 4.4	V= 1.592 / 2.9	W= .030134 / 11.2	T= 2.405 / 8.1
LAT= 42.0	U= 1.142 / 4.2	V= 1.187 / 4.7	W= .032866 / 11.5	T= 2.703 / 8.4
LAT= 48.0	U= 1.805 / 4.3	V= 1.686 / 6.3	W= .030929 / 11.8	T= 2.617 / 8.7
LAT= 54.0	U= 2.294 / 4.4	V= 2.262 / 7.0	W= .026015 / .1	T= 2.267 / 8.9
LAT= 60.0	U= 2.541 / 4.6	V= 2.506 / 7.4	W= .020061 / .5	T= 1.798 / 9.2
LAT= 66.0	U= 2.425 / 4.8	V= 2.500 / 7.8	W= .013505 / .8	T= 1.230 / 9.5
LAT= 72.0	U= 2.236 / 5.0	V= 2.167 / 8.1	W= .009464 / 1.0	T= .852 / 9.6
LAT= 78.0	U= 1.607 / 5.0	V= 1.578 / 8.3	W= .003621 / .5	T= .321 / 9.3
LAT= 84.0	U= .783 / 5.3	V= .873 / 8.9	W= .000491 / 9.1	T= .008 / 8.2

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 1000 K

Z = 149.425 KM

LAT= 0.0	U= 1.483 / 9.8	V= 0.000 / 10.5	W= .039392 / 4.4	T= 2.913 / 1.4
LAT= 6.0	U= 1.446 / 9.7	V= 1.430 / .3	W= .035407 / 4.4	T= 2.646 / 1.5
LAT= 12.0	U= 1.340 / 9.6	V= 2.535 / .4	W= .024509 / 4.6	T= 1.909 / 1.7
LAT= 18.0	U= 1.134 / 9.4	V= 3.084 / .6	W= .009874 / 5.3	T= .903 / 2.3
LAT= 24.0	U= .783 / 9.2	V= 3.006 / .8	W= .009175 / 9.4	T= .582 / 5.8
LAT= 30.0	U= .275 / 8.7	V= 2.411 / 1.2	W= .022104 / 10.3	T= 1.472 / 7.1
LAT= 36.0	U= .408 / 3.9	V= 1.584 / 2.0	W= .030927 / 10.6	T= 2.173 / 7.5
LAT= 42.0	U= 1.084 / 3.6	V= 1.112 / 3.7	W= .034280 / 10.9	T= 2.506 / 7.7
LAT= 48.0	U= 1.693 / 3.7	V= 1.484 / 5.3	W= .032797 / 11.2	T= 2.482 / 8.0
LAT= 54.0	U= 2.150 / 3.8	V= 2.031 / 6.1	W= .028068 / 11.5	T= 2.193 / 8.3
LAT= 60.0	U= 2.398 / 3.9	V= 2.344 / 6.6	W= .022035 / 11.9	T= 1.775 / 8.6
LAT= 66.0	U= 2.298 / 4.1	V= 2.354 / 7.0	W= .015075 / .2	T= 1.235 / 8.8
LAT= 72.0	U= 2.143 / 4.2	V= 2.090 / 7.3	W= .010577 / .4	T= .859 / 8.9
LAT= 78.0	U= 1.540 / 4.2	V= 1.562 / 7.6	W= .003992 / 12.0	T= .327 / 8.7
LAT= 84.0	U= .764 / 4.5	V= .911 / 8.2	W= .000344 / 8.2	T= .013 / 9.0

Z = 158.420 KM

LAT= 0.0	U= 1.388 / 9.1	V= 0.000 / 7.7	W= .041609 / 3.8	T= 2.645 / .8
LAT= 6.0	U= 1.355 / 9.1	V= 1.304 / 11.6	W= .037518 / 3.8	T= 2.412 / .9
LAT= 12.0	U= 1.255 / 9.0	V= 2.322 / 11.7	W= .026345 / 4.0	T= 1.771 / 1.1
LAT= 18.0	U= 1.057 / 8.8	V= 2.849 / 11.8	W= .011401 / 4.7	T= .900 / 1.8
LAT= 24.0	U= .722 / 8.7	V= 2.817 / 12.0	W= .009231 / 8.5	T= .558 / 4.9
LAT= 30.0	U= .247 / 8.3	V= 2.309 / .4	W= .022313 / 9.6	T= 1.312 / 6.3
LAT= 36.0	U= .356 / 3.2	V= 1.557 / 1.1	W= .031689 / 9.9	T= 1.965 / 6.8
LAT= 42.0	U= .962 / 3.0	V= 1.031 / 2.7	W= .035629 / 10.3	T= 2.307 / 7.1
LAT= 48.0	U= 1.508 / 3.0	V= 1.277 / 4.5	W= .034629 / 10.6	T= 2.322 / 7.4
LAT= 54.0	U= 1.933 / 3.1	V= 1.790 / 5.3	W= .030141 / 10.9	T= 2.083 / 7.7
LAT= 60.0	U= 2.189 / 3.3	V= 2.121 / 5.8	W= .024049 / 11.2	T= 1.709 / 7.9
LAT= 66.0	U= 2.123 / 3.4	V= 2.174 / 6.2	W= .016663 / 11.5	T= 1.204 / 8.2
LAT= 72.0	U= 2.001 / 3.5	V= 1.965 / 6.5	W= .011672 / 11.7	T= .841 / 8.3
LAT= 78.0	U= 1.442 / 3.5	V= 1.500 / 6.9	W= .004371 / 11.4	T= .328 / 8.0
LAT= 84.0	U= .733 / 3.8	V= .920 / 7.5	W= .000070 / 3.4	T= .030 / 8.6

Z = 181.310 KM

LAT= 0.0	U= 1.164 / 7.8	V= 0.000 / 8.2	W= .046510 / 2.6	T= 2.210 / 11.8
LAT= 6.0	U= 1.133 / 7.8	V= 1.091 / 10.2	W= .042132 / 2.7	T= 2.027 / 11.9
LAT= 12.0	U= 1.041 / 7.8	V= 1.959 / 10.3	W= .030219 / 2.9	T= 1.524 / .2
LAT= 18.0	U= .869 / 7.8	V= 2.440 / 10.4	W= .014451 / 3.6	T= .853 / .9
LAT= 24.0	U= .594 / 7.9	V= 2.473 / 10.6	W= .010175 / 7.0	T= .560 / 3.5
LAT= 30.0	U= .230 / 8.5	V= 2.106 / 11.0	W= .023594 / 8.2	T= 1.095 / 5.1
LAT= 36.0	U= .273 / .9	V= 1.494 / 11.5	W= .034363 / 8.7	T= 1.643 / 5.7
LAT= 42.0	U= .737 / 1.4	V= .918 / .7	W= .039813 / 9.0	T= 1.972 / 6.0
LAT= 48.0	U= 1.165 / 1.6	V= .892 / 2.7	W= .040105 / 9.3	T= 2.040 / 6.3
LAT= 54.0	U= 1.524 / 1.7	V= 1.308 / 3.9	W= .036324 / 9.6	T= 1.876 / 6.5
LAT= 60.0	U= 1.785 / 1.9	V= 1.655 / 4.4	W= .030116 / 9.9	T= 1.576 / 6.8
LAT= 66.0	U= 1.782 / 2.0	V= 1.768 / 4.8	W= .021536 / 10.2	T= 1.135 / 7.0
LAT= 72.0	U= 1.703 / 2.1	V= 1.634 / 5.1	W= .015148 / 10.3	T= .795 / 7.0
LAT= 78.0	U= 1.212 / 2.1	V= 1.259 / 5.5	W= .005584 / 10.2	T= .324 / 6.9
LAT= 84.0	U= .623 / 2.5	V= .807 / 6.2	W= .000862 / .8	T= .062 / 7.7

Z = 209.865 KM

LAT= 0.0	U= .923 / 6.7	V= 0.000 / 7.5	W= .050916 / 1.7	T= 1.939 / 11.2
LAT= 6.0	U= .697 / 6.8	V= .954 / 9.1	W= .046174 / 1.8	T= 1.784 / 11.3
LAT= 12.0	U= .822 / 6.8	V= 1.724 / 9.2	W= .033401 / 2.0	T= 1.361 / 11.6
LAT= 18.0	U= .689 / 7.0	V= 2.176 / 9.3	W= .016840 / 2.8	T= .809 / .4
LAT= 24.0	U= .486 / 7.4	V= 2.252 / 9.5	W= .011744 / 5.8	T= .570 / 2.7
LAT= 30.0	U= .278 / 8.6	V= 1.983 / 9.8	W= .025496 / 7.2	T= .995 / 4.3
LAT= 36.0	U= .384 / 11.0	V= 1.477 / 10.3	W= .037686 / 7.7	T= 1.480 / 4.9
LAT= 42.0	U= .746 / 11.8	V= .930 / 11.2	W= .044752 / 8.1	T= 1.804 / 5.3
LAT= 48.0	U= 1.099 / .1	V= .726 / 1.1	W= .046417 / 8.4	T= 1.907 / 5.6
LAT= 54.0	U= 1.394 / .4	V= 1.036 / 2.6	W= .043407 / 8.7	T= 1.794 / 5.8
LAT= 60.0	U= 1.634 / .6	V= 1.388 / 3.2	W= .037089 / 9.0	T= 1.539 / 6.1
LAT= 66.0	U= 1.656 / .7	V= 1.547 / 3.6	W= .027226 / 9.3	T= 1.132 / 6.2
LAT= 72.0	U= 1.597 / .8	V= 1.456 / 3.9	W= .019466 / 9.3	T= .798 / 6.2
LAT= 78.0	U= 1.117 / .8	V= 1.112 / 4.2	W= .007440 / 9.3	T= .330 / 6.1
LAT= 84.0	U= .556 / 1.3	V= .683 / 4.9	W= .001473 / 11.0	T= .078 / 6.8

Table B3. Amplitude and Phase for the (2,4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1000$ K									
Z = 240.988 KM									
LAT= 0.0	U=	.766 / 5.9	V=	0.000 / 7.5	W=	-.054048 / 1.0	T=	1.810 / 10.9	
LAT= 6.0	U=	.745 / 5.9	V=	.899 / 8.3	W=	-.048973 / 1.1	T=	1.668 / 11.0	
LAT= 12.0	U=	.691 / 6.1	V=	1.631 / 8.4	W=	-.035467 / 1.4	T=	1.284 / 11.3	
LAT= 18.0	U=	.573 / 6.4	V=	2.071 / 8.5	W=	-.018329 / 2.2	T=	.789 / .2	
LAT= 24.0	U=	.426 / 7.0	V=	2.170 / 8.7	W=	-.012998 / 5.0	T=	.576 / 2.3	
LAT= 30.0	U=	.334 / 8.5	V=	1.950 / 9.0	W=	-.026953 / 6.5	T=	.958 / 3.9	
LAT= 36.0	U=	.508 / 10.2	V=	1.501 / 9.5	W=	-.040088 / 7.1	T=	1.418 / 4.5	
LAT= 42.0	U=	.857 / 10.9	V=	.982 / 10.3	W=	-.048234 / 7.5	T=	1.747 / 4.9	
LAT= 48.0	U=	1.193 / 11.2	V=	.710 / 12.0	W=	-.050769 / 7.8	T=	1.872 / 5.2	
LAT= 54.0	U=	1.460 / 11.5	V=	.960 / 1.6	W=	-.048246 / 8.1	T=	1.786 / 5.4	
LAT= 60.0	U=	1.682 / 11.8	V=	1.327 / 2.4	W=	-.041830 / 8.4	T=	1.550 / 5.6	
LAT= 66.0	U=	1.704 / 11.9	V=	1.523 / 2.8	W=	-.031023 / 8.7	T=	1.152 / 5.8	
LAT= 72.0	U=	1.651 / 12.0	V=	1.457 / 3.0	W=	-.022343 / 8.7	T=	.817 / 5.8	
LAT= 78.0	U=	1.149 / 12.0	V=	1.113 / 3.3	W=	-.008848 / 8.8	T=	.342 / 5.7	
LAT= 84.0	U=	.565 / .4	V=	.662 / 4.0	W=	-.002455 / 10.0	T=	.087 / 6.2	
Z = 272.801 KM									
LAT= 0.0	U=	.707 / 5.3	V=	0.000 / 7.5	W=	-.056221 / .6	T=	1.755 / 10.8	
LAT= 6.0	U=	.688 / 5.3	V=	.893 / 7.8	W=	-.050931 / .7	T=	1.620 / 10.9	
LAT= 12.0	U=	.627 / 5.5	V=	1.619 / 7.9	W=	-.036937 / .9	T=	1.253 / 11.2	
LAT= 18.0	U=	.527 / 5.9	V=	2.062 / 8.0	W=	-.019353 / 1.8	T=	.781 / .1	
LAT= 24.0	U=	.407 / 6.8	V=	2.176 / 8.3	W=	-.013760 / 4.5	T=	.580 / 2.1	
LAT= 30.0	U=	.381 / 8.4	V=	1.981 / 8.6	W=	-.027872 / 6.0	T=	.945 / 3.7	
LAT= 36.0	U=	.602 / 9.7	V=	1.554 / 9.0	W=	-.041539 / 6.6	T=	1.399 / 4.4	
LAT= 42.0	U=	.971 / 10.4	V=	1.039 / 9.8	W=	-.050158 / 7.1	T=	1.732 / 4.7	
LAT= 48.0	U=	1.317 / 10.8	V=	.735 / 11.5	W=	-.052970 / 7.4	T=	1.869 / 5.0	
LAT= 54.0	U=	1.579 / 11.0	V=	.961 / 1.1	W=	-.050594 / 7.8	T=	1.795 / 5.2	
LAT= 60.0	U=	1.793 / 11.3	V=	1.351 / 1.9	W=	-.044124 / 8.1	T=	1.567 / 5.4	
LAT= 66.0	U=	1.806 / 11.5	V=	1.575 / 2.3	W=	-.032780 / 8.3	T=	1.170 / 5.6	
LAT= 72.0	U=	1.752 / 11.5	V=	1.520 / 2.5	W=	-.023573 / 8.4	T=	.832 / 5.6	
LAT= 78.0	U=	1.216 / 11.5	V=	1.161 / 2.8	W=	-.009443 / 8.5	T=	.351 / 5.5	
LAT= 84.0	U=	.602 / 11.9	V=	.683 / 3.5	W=	-.003337 / 9.5	T=	.092 / 6.0	
Z = 304.752 KM									
LAT= 0.0	U=	.702 / 4.9	V=	0.000 / 7.5	W=	-.057567 / .3	T=	1.737 / 10.7	
LAT= 6.0	U=	.681 / 5.0	V=	.900 / 7.5	W=	-.052179 / .3	T=	1.604 / 10.8	
LAT= 12.0	U=	.618 / 5.2	V=	1.636 / 7.6	W=	-.037936 / .6	T=	1.244 / 11.1	
LAT= 18.0	U=	.517 / 5.7	V=	2.091 / 7.8	W=	-.020020 / 1.4	T=	.780 / 12.0	
LAT= 24.0	U=	.409 / 6.6	V=	2.218 / 8.0	W=	-.014027 / 4.2	T=	.584 / 2.0	
LAT= 30.0	U=	.421 / 8.2	V=	2.033 / 8.3	W=	-.028201 / 5.7	T=	.944 / 3.6	
LAT= 36.0	U=	.673 / 9.5	V=	1.611 / 8.8	W=	-.042040 / 6.3	T=	1.396 / 4.3	
LAT= 42.0	U=	1.061 / 10.1	V=	1.088 / 9.6	W=	-.050645 / 6.8	T=	1.733 / 4.7	
LAT= 48.0	U=	1.422 / 10.5	V=	.764 / 11.2	W=	-.053302 / 7.2	T=	1.876 / 4.9	
LAT= 54.0	U=	1.688 / 10.8	V=	.981 / .8	W=	-.050854 / 7.6	T=	1.807 / 5.1	
LAT= 60.0	U=	1.898 / 11.0	V=	1.391 / 1.6	W=	-.044412 / 7.8	T=	1.580 / 5.3	
LAT= 66.0	U=	1.903 / 11.2	V=	1.636 / 2.0	W=	-.032948 / 8.1	T=	1.182 / 5.5	
LAT= 72.0	U=	1.844 / 11.3	V=	1.587 / 2.3	W=	-.023584 / 8.2	T=	.841 / 5.5	
LAT= 78.0	U=	1.276 / 11.3	V=	1.210 / 2.5	W=	-.009402 / 8.3	T=	.356 / 5.4	
LAT= 84.0	U=	.635 / 11.6	V=	.709 / 3.2	W=	-.003911 / 9.4	T=	.095 / 5.8	
Z = 336.754 KM									
LAT= 0.0	U=	.715 / 4.7	V=	0.000 / 7.5	W=	-.058119 / 12.0	T=	1.738 / 10.7	
LAT= 6.0	U=	.693 / 4.8	V=	.912 / 7.3	W=	-.052722 / .1	T=	1.606 / 10.8	
LAT= 12.0	U=	.627 / 5.0	V=	1.660 / 7.4	W=	-.038425 / .4	T=	1.246 / 11.1	
LAT= 18.0	U=	.523 / 5.5	V=	2.127 / 7.6	W=	-.020318 / 1.2	T=	.784 / 12.0	
LAT= 24.0	U=	.418 / 6.5	V=	2.264 / 7.9	W=	-.013808 / 3.9	T=	.589 / 2.0	
LAT= 30.0	U=	.451 / 8.2	V=	2.085 / 8.2	W=	-.027879 / 5.5	T=	.947 / 3.6	
LAT= 36.0	U=	.722 / 9.4	V=	1.659 / 8.6	W=	-.041550 / 6.1	T=	1.402 / 4.2	
LAT= 42.0	U=	1.127 / 10.0	V=	1.126 / 9.4	W=	-.049769 / 6.6	T=	1.741 / 4.6	
LAT= 48.0	U=	1.499 / 10.4	V=	.786 / 11.0	W=	-.051975 / 7.0	T=	1.888 / 4.9	
LAT= 54.0	U=	1.770 / 10.6	V=	1.002 / .7	W=	-.049326 / 7.4	T=	1.822 / 5.1	
LAT= 60.0	U=	1.979 / 10.9	V=	1.426 / 1.5	W=	-.043013 / 7.7	T=	1.595 / 5.3	
LAT= 66.0	U=	.979 / 11.1	V=	1.688 / 1.9	W=	-.031818 / 7.9	T=	1.195 / 5.4	
LAT= 72.0	U=	1.914 / 11.1	V=	1.641 / 2.2	W=	-.022661 / 8.0	T=	.850 / 5.4	
LAT= 78.0	U=	1.321 / 11.2	V=	1.249 / 2.4	W=	-.008910 / 8.2	T=	.361 / 5.4	
LAT= 84.0	U=	.660 / 11.5	V=	.729 / 3.0	W=	-.004200 / 9.3	T=	.098 / 5.8	

Table B3. Amplitude and Phase for the (2,4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1000$ K										
Z = 368.753 KM										
LAT= 0.0	U=	.729 / 4.6	V=	0.000 / 7.5	W=	.058000 / 11.8	T=	1.749 / 10.6		
LAT= 6.0	U=	.707 / 4.7	V=	.923 / 7.2	W=	.052659 / 11.9	T=	1.616 / 10.7		
LAT= 12.0	U=	.638 / 4.9	V=	1.681 / 7.4	W=	.038470 / 11.9	T=	1.254 / 11.1		
LAT= 18.0	U=	.531 / 5.5	V=	2.159 / 7.5	W=	.020320 / 11.9	T=	.791 / 12.0		
LAT= 24.0	U=	.429 / 6.5	V=	2.304 / 7.8	W=	.013173 / 11.9	T=	.594 / 12.0		
LAT= 30.0	U=	.472 / 8.1	V=	2.127 / 8.1	W=	.026951 / 11.9	T=	.955 / 11.9		
LAT= 36.0	U=	.755 / 9.3	V=	1.695 / 8.6	W=	.040172 / 11.9	T=	1.413 / 11.9		
LAT= 42.0	U=	1.172 / 9.9	V=	1.152 / 9.3	W=	.047722 / 11.9	T=	1.756 / 11.9		
LAT= 48.0	U=	1.553 / 10.3	V=	.803 / 10.9	W=	.049266 / 11.9	T=	1.907 / 11.9		
LAT= 54.0	U=	1.827 / 10.6	V=	1.019 / 11.6	W=	.046339 / 11.9	T=	1.840 / 11.9		
LAT= 60.0	U=	2.036 / 10.8	V=	1.455 / 11.4	W=	.040227 / 11.9	T=	1.612 / 11.9		
LAT= 66.0	U=	2.032 / 11.0	V=	1.726 / 11.8	W=	.029620 / 11.9	T=	1.208 / 11.9		
LAT= 72.0	U=	1.965 / 11.1	V=	1.680 / 12.1	W=	.021001 / 11.9	T=	.859 / 11.9		
LAT= 78.0	U=	1.354 / 11.1	V=	1.278 / 12.3	W=	.008092 / 11.9	T=	.365 / 11.9		
LAT= 84.0	U=	.677 / 11.4	V=	.742 / 12.9	W=	.004263 / 11.9	T=	.099 / 11.9		
Z = 400.753 KM										
LAT= 0.0	U=	.741 / 4.5	V=	0.000 / 7.5	W=	.057347 / 11.6	T=	1.765 / 10.6		
LAT= 6.0	U=	.719 / 4.6	V=	.932 / 7.2	W=	.052119 / 11.6	T=	1.631 / 10.7		
LAT= 12.0	U=	.648 / 4.9	V=	1.701 / 7.3	W=	.038190 / 11.9	T=	1.265 / 11.1		
LAT= 18.0	U=	.540 / 5.4	V=	2.167 / 7.5	W=	.020159 / 11.9	T=	.798 / 11.9		
LAT= 24.0	U=	.437 / 6.5	V=	2.337 / 7.7	W=	.012239 / 11.9	T=	.601 / 12.0		
LAT= 30.0	U=	.465 / 8.1	V=	2.160 / 8.1	W=	.025517 / 11.9	T=	.965 / 11.9		
LAT= 36.0	U=	.777 / 9.3	V=	1.723 / 8.5	W=	.038067 / 11.9	T=	1.427 / 11.9		
LAT= 42.0	U=	1.201 / 9.9	V=	1.173 / 9.3	W=	.044744 / 11.9	T=	1.774 / 11.9		
LAT= 48.0	U=	1.588 / 10.2	V=	.815 / 10.9	W=	.045458 / 11.9	T=	1.925 / 11.9		
LAT= 54.0	U=	1.867 / 10.5	V=	1.034 / 11.6	W=	.042168 / 11.9	T=	1.859 / 11.9		
LAT= 60.0	U=	2.077 / 10.8	V=	1.476 / 11.4	W=	.036312 / 11.9	T=	1.629 / 11.9		
LAT= 66.0	U=	2.070 / 11.0	V=	1.755 / 11.8	W=	.026543 / 11.9	T=	1.221 / 11.9		
LAT= 72.0	U=	2.000 / 11.0	V=	1.708 / 12.0	W=	.018733 / 11.9	T=	.869 / 11.9		
LAT= 78.0	U=	1.377 / 11.1	V=	1.298 / 12.3	W=	.007020 / 11.9	T=	.369 / 11.9		
LAT= 84.0	U=	.689 / 11.4	V=	.753 / 12.9	W=	.004158 / 11.9	T=	.101 / 11.9		

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200$, and 1400 K (contd)

$T_0 = 1200$ K									
Z = 100.017 KM									
LAT = 0.0	U =	.541 / 7.7	V =	0.000 / 8.3	W =	.010071 / 2.3	T =	.680 / 11.8	
LAT = 6.0	U =	.573 / 7.7	V =	1.257 / 10.7	W =	.008473 / 2.3	T =	.739 / 11.8	
LAT = 12.0	U =	.603 / 7.6	V =	2.040 / 10.7	W =	.004184 / 2.3	T =	.363 / 11.7	
LAT = 18.0	U =	.481 / 7.6	V =	2.063 / 10.8	W =	.001480 / 8.3	T =	.132 / 6.3	
LAT = 24.0	U =	.105 / 6.2	V =	1.328 / 10.8	W =	.006880 / 8.4	T =	.587 / 6.0	
LAT = 30.0	U =	.637 / 2.1	V =	.095 / 10.3	W =	.010654 / 8.4	T =	.894 / 6.0	
LAT = 36.0	U =	1.495 / 2.0	V =	1.266 / 4.9	W =	.012124 / 8.5	T =	1.000 / 6.0	
LAT = 42.0	U =	2.305 / 2.0	V =	2.392 / 4.9	W =	.011405 / 8.6	T =	.924 / 6.0	
LAT = 48.0	U =	2.869 / 2.0	V =	3.073 / 4.9	W =	.009202 / 8.7	T =	.732 / 6.1	
LAT = 54.0	U =	3.079 / 2.0	V =	3.262 / 5.0	W =	.006449 / 8.8	T =	.505 / 6.2	
LAT = 60.0	U =	2.926 / 2.0	V =	3.041 / 5.0	W =	.003915 / 9.0	T =	.301 / 6.4	
LAT = 66.0	U =	2.520 / 2.0	V =	2.544 / 5.0	W =	.002082 / 9.4	T =	.158 / 6.6	
LAT = 72.0	U =	1.950 / 2.1	V =	1.911 / 5.0	W =	.001158 / 9.8	T =	.088 / 7.0	
LAT = 78.0	U =	1.219 / 2.1	V =	1.248 / 5.1	W =	.000399 / 9.7	T =	.025 / 6.6	
LAT = 84.0	U =	.620 / 2.1	V =	.631 / 5.1	W =	.000131 / 7.6	T =	.009 / 4.5	
Z = 103.521 KM									
LAT = 0.0	U =	.925 / 6.7	V =	0.000 / 1.1	W =	.013051 / 1.1	T =	1.316 / 10.7	
LAT = 6.0	U =	.960 / 6.7	V =	1.914 / 9.7	W =	.010995 / 1.1	T =	1.112 / 10.7	
LAT = 12.0	U =	.984 / 6.6	V =	3.161 / 9.7	W =	.005486 / 1.3	T =	.566 / 10.7	
LAT = 18.0	U =	.797 / 6.5	V =	3.312 / 9.7	W =	.001869 / 6.6	T =	.154 / 4.6	
LAT = 24.0	U =	.244 / 5.6	V =	2.317 / 9.8	W =	.008717 / 7.1	T =	.840 / 4.8	
LAT = 30.0	U =	.835 / 1.1	V =	.500 / 10.2	W =	.013501 / 7.2	T =	1.319 / 4.8	
LAT = 36.0	U =	2.142 / .9	V =	1.655 / 3.6	W =	.015330 / 7.4	T =	1.505 / 4.9	
LAT = 42.0	U =	3.460 / .9	V =	3.550 / 3.7	W =	.014376 / 7.5	T =	1.415 / 5.0	
LAT = 48.0	U =	4.474 / .9	V =	4.828 / 3.8	W =	.011559 / 7.7	T =	1.140 / 5.2	
LAT = 54.0	U =	4.975 / .9	V =	5.335 / 3.9	W =	.008071 / 7.9	T =	.798 / 5.4	
LAT = 60.0	U =	4.891 / .9	V =	5.137 / 3.9	W =	.004896 / 8.2	T =	.484 / 5.6	
LAT = 66.0	U =	4.328 / 1.0	V =	4.419 / 4.0	W =	.002616 / 8.7	T =	.260 / 6.0	
LAT = 72.0	U =	3.411 / 1.0	V =	3.396 / 4.0	W =	.001485 / 9.2	T =	.145 / 6.5	
LAT = 78.0	U =	2.312 / 1.1	V =	2.252 / 4.1	W =	.000632 / 9.3	T =	.061 / 6.4	
LAT = 84.0	U =	1.132 / 1.1	V =	1.080 / 4.2	W =	.000186 / 7.3	T =	.018 / 4.5	
Z = 107.177 KM									
LAT = 0.0	U =	1.377 / 5.4	V =	0.000 / 11.8	W =	.015846 / 11.7	T =	1.986 / 9.3	
LAT = 6.0	U =	1.403 / 5.3	V =	2.509 / 8.3	W =	.013383 / 11.8	T =	1.688 / 9.3	
LAT = 12.0	U =	1.394 / 5.2	V =	4.196 / 8.3	W =	.006805 / 11.9	T =	.891 / 9.4	
LAT = 18.0	U =	1.143 / 5.1	V =	4.519 / 8.4	W =	.001965 / 5.1	T =	.183 / 2.5	
LAT = 24.0	U =	.458 / 4.6	V =	3.394 / 8.5	W =	.010013 / 5.7	T =	1.176 / 3.2	
LAT = 30.0	U =	.817 / 11.7	V =	1.230 / 9.1	W =	.015569 / 5.9	T =	1.877 / 3.4	
LAT = 36.0	U =	2.407 / 11.5	V =	1.682 / 1.7	W =	.017608 / 6.0	T =	2.153 / 3.5	
LAT = 42.0	U =	4.064 / 11.5	V =	4.120 / 2.2	W =	.016407 / 6.2	T =	2.029 / 3.6	
LAT = 48.0	U =	5.405 / 11.5	V =	5.867 / 2.3	W =	.013099 / 6.4	T =	1.638 / 3.8	
LAT = 54.0	U =	6.142 / 11.5	V =	6.655 / 2.5	W =	.009087 / 6.6	T =	1.150 / 4.1	
LAT = 60.0	U =	6.154 / 11.6	V =	6.524 / 2.6	W =	.005485 / 6.9	T =	.706 / 4.4	
LAT = 66.0	U =	5.513 / 11.7	V =	5.687 / 2.7	W =	.002914 / 7.4	T =	.381 / 4.8	
LAT = 72.0	U =	4.411 / 11.8	V =	4.413 / 2.8	W =	.001702 / 8.1	T =	.227 / 5.4	
LAT = 78.0	U =	3.061 / 11.8	V =	2.936 / 2.9	W =	.000683 / 7.6	T =	.093 / 4.9	
LAT = 84.0	U =	1.484 / 11.8	V =	1.387 / 3.0	W =	.000224 / 5.9	T =	.029 / 3.1	
Z = 111.019 KM									
LAT = 0.0	U =	1.687 / 4.0	V =	0.000 / 10.3	W =	.017967 / 10.3	T =	2.736 / 7.6	
LAT = 6.0	U =	1.694 / 4.0	V =	2.725 / 6.9	W =	.015298 / 10.3	T =	2.347 / 7.7	
LAT = 12.0	U =	1.641 / 3.9	V =	4.608 / 6.9	W =	.008157 / 10.4	T =	1.305 / 7.8	
LAT = 18.0	U =	1.359 / 3.7	V =	5.090 / 7.0	W =	.001343 / 3.6	T =	.148 / 11.8	
LAT = 24.0	U =	.673 / 3.3	V =	4.066 / 7.2	W =	.010146 / 4.3	T =	1.405 / 1.6	
LAT = 30.0	U =	.612 / 10.7	V =	1.343 / 7.7	W =	.016292 / 4.4	T =	2.333 / 1.7	
LAT = 36.0	U =	2.157 / 10.1	V =	1.331 / 11.6	W =	.018661 / 4.6	T =	2.716 / 1.9	
LAT = 42.0	U =	3.822 / 10.1	V =	3.715 / .6	W =	.017532 / 4.7	T =	2.585 / 2.1	
LAT = 48.0	U =	5.219 / 10.1	V =	5.034 / .9	W =	.014110 / 4.9	T =	2.107 / 2.3	
LAT = 54.0	U =	6.048 / 10.2	V =	6.578 / 1.1	W =	.009899 / 5.2	T =	1.501 / 2.5	
LAT = 60.0	U =	6.168 / 10.2	V =	6.573 / 1.2	W =	.006059 / 5.5	T =	.943 / 2.9	
LAT = 66.0	U =	5.586 / 10.3	V =	5.815 / 1.3	W =	.003297 / 5.9	T =	.524 / 3.3	
LAT = 72.0	U =	4.559 / 10.5	V =	4.561 / 1.4	W =	.001989 / 6.5	T =	.331 / 3.9	
LAT = 78.0	U =	3.208 / 10.5	V =	3.045 / 1.5	W =	.000843 / 5.6	T =	.138 / 2.9	
LAT = 84.0	U =	1.544 / 10.5	V =	1.427 / 1.8	W =	.000273 / 4.0	T =	.043 / 1.3	

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200, \text{ and } 1400 \text{ K}$ (contd)

T₀ = 1200 K

Z = 115.091 KM

LAT= 0.0	U= 1.778 / 2.7	V= 0.000 / 8.9	W= .020279 / 8.9	T= 3.438 / 6.1
LAT= 6.0	U= 1.761 / 2.7	V= 2.567 / 5.6	W= .017448 / 8.9	T= 2.979 / 6.1
LAT= 12.0	U= 1.669 / 2.6	V= 4.396 / 5.7	W= .009852 / 9.0	T= 1.746 / 6.2
LAT= 18.0	U= 1.387 / 2.4	V= 4.987 / 5.8	W= .000404 / .9	T= .181 / 7.9
LAT= 24.0	U= .797 / 1.9	V= 4.228 / 5.9	W= .009816 / 3.0	T= 1.470 / 0.0
LAT= 30.0	U= .408 / 10.2	V= 2.446 / 6.4	W= .016637 / 3.1	T= 2.590 / .2
LAT= 36.0	U= 1.633 / 9.0	V= 1.065 / 9.1	W= .019514 / 3.2	T= 3.080 / .3
LAT= 42.0	U= 3.063 / 8.8	V= 2.823 / 11.1	W= .018667 / 3.3	T= 2.974 / .5
LAT= 48.0	U= 4.323 / 8.8	V= 4.585 / 11.5	W= .015307 / 3.5	T= 2.463 / .7
LAT= 54.0	U= 5.136 / 8.9	V= 5.579 / 11.7	W= .010981 / 3.7	T= 1.790 / 1.0
LAT= 60.0	U= 5.365 / 9.0	V= 5.733 / 11.9	W= .006921 / 4.0	T= 1.155 / 1.3
LAT= 66.0	U= 4.944 / 9.1	V= 5.185 / .1	W= .003884 / 4.4	T= .665 / 1.7
LAT= 72.0	U= 4.162 / 9.3	V= 4.140 / .2	W= .002429 / 4.9	T= .438 / 2.2
LAT= 78.0	U= 2.964 / 9.2	V= 2.793 / .3	W= .001087 / 3.9	T= .185 / 1.1
LAT= 84.0	U= 1.418 / 9.3	V= 1.321 / .7	W= .000367 / 2.4	T= .059 / 11.5

Z = 119.451 KM

LAT= 0.0	U= 1.722 / 1.6	V= 0.000 / 7.8	W= .023182 / 7.8	T= 3.913 / 4.7
LAT= 6.0	U= 1.688 / 1.5	V= 2.264 / 4.5	W= .020162 / 7.8	T= 3.422 / 4.8
LAT= 12.0	U= 1.573 / 1.4	V= 3.919 / 4.5	W= .012027 / 7.8	T= 2.105 / 4.9
LAT= 18.0	U= 1.314 / 1.1	V= 4.544 / 4.6	W= .001219 / 8.4	T= .378 / 5.6
LAT= 24.0	U= .837 / .7	V= 4.037 / 4.8	W= .009430 / 1.8	T= 1.373 / 10.6
LAT= 30.0	U= .329 / 10.3	V= 2.648 / 5.3	W= .017222 / 1.9	T= 2.621 / 10.8
LAT= 36.0	U= 1.123 / 8.0	V= 1.193 / 6.9	W= .020897 / 2.0	T= 3.216 / 11.0
LAT= 42.0	U= 2.263 / 7.7	V= 1.986 / 9.6	W= .020555 / 2.1	T= 3.178 / 11.2
LAT= 48.0	U= 3.316 / 7.7	V= 3.449 / 10.2	W= .017360 / 2.3	T= 2.697 / 11.4
LAT= 54.0	U= 4.046 / 7.8	V= 4.379 / 10.6	W= .012888 / 2.5	T= 2.017 / 11.6
LAT= 60.0	U= 4.333 / 7.9	V= 4.633 / 10.8	W= .008482 / 2.7	T= 1.350 / 11.9
LAT= 66.0	U= 4.070 / 8.0	V= 4.286 / 11.0	W= .004950 / 3.1	T= .805 / .3
LAT= 72.0	U= 3.542 / 8.2	V= 3.488 / 11.2	W= .003197 / 3.5	T= .537 / .6
LAT= 78.0	U= 2.543 / 8.1	V= 2.383 / 11.3	W= .001418 / 2.5	T= .223 / 11.6
LAT= 84.0	U= 1.210 / 8.3	V= 1.151 / 11.8	W= .000463 / 1.1	T= .069 / 10.0

Z = 124.175 KM

LAT= 0.0	U= 1.626 / .6	V= 0.000 / 6.8	W= .026406 / 6.8	T= 4.046 / 3.7
LAT= 6.0	U= 1.586 / .5	V= 1.963 / 3.4	W= .023199 / 6.8	T= 3.572 / 3.7
LAT= 12.0	U= 1.467 / .3	V= 3.422 / 3.5	W= .014511 / 6.9	T= 2.292 / 3.8
LAT= 18.0	U= 1.240 / .1	V= 4.030 / 3.6	W= .002808 / 7.2	T= .590 / 4.3
LAT= 24.0	U= .853 / 11.7	V= 3.638 / 3.8	W= .009306 / .8	T= 1.164 / 9.5
LAT= 30.0	U= .335 / 10.3	V= 2.619 / 4.2	W= .018005 / .9	T= 2.460 / 9.8
LAT= 36.0	U= .716 / 7.0	V= 1.352 / 5.4	W= .022753 / 1.0	T= 3.145 / 9.9
LAT= 42.0	U= 1.625 / 6.6	V= 1.471 / 8.0	W= .023141 / 1.1	T= 3.210 / 10.1
LAT= 48.0	U= 2.500 / 6.6	V= 2.585 / 9.0	W= .020249 / 1.3	T= 2.817 / 10.3
LAT= 54.0	U= 3.137 / 6.7	V= 3.391 / 9.5	W= .015653 / 1.5	T= 2.192 / 10.5
LAT= 60.0	U= 3.436 / 6.8	V= 3.670 / 9.7	W= .010842 / 1.7	T= 1.537 / 10.7
LAT= 66.0	U= 3.282 / 7.0	V= 3.457 / 10.0	W= .006623 / 2.0	T= .953 / 11.1
LAT= 72.0	U= 2.936 / 7.2	V= 2.800 / 10.2	W= .004454 / 2.3	T= .645 / 11.3
LAT= 78.0	U= 2.119 / 7.1	V= 1.978 / 10.4	W= .001834 / 1.3	T= .247 / 10.3
LAT= 84.0	U= 1.003 / 7.3	V= .983 / 11.0	W= .000532 / 11.9	T= .064 / 8.6

Z = 129.367 KM

LAT= 0.0	U= 1.532 / 11.7	V= 0.000 / 6.0	W= .029390 / 6.0	T= 3.898 / 2.9
LAT= 6.0	U= 1.493 / 11.6	V= 1.714 / 2.4	W= .026051 / 6.0	T= 3.472 / 2.9
LAT= 12.0	U= 1.382 / 11.4	V= 3.003 / 2.5	W= .016948 / 6.1	T= 2.315 / 3.0
LAT= 18.0	U= 1.190 / 11.1	V= 3.574 / 2.7	W= .004533 / 6.4	T= .751 / 3.5
LAT= 24.0	U= .863 / 10.8	V= 3.346 / 2.9	W= .008434 / 11.8	T= .920 / 8.5
LAT= 30.0	U= .370 / 10.1	V= 2.492 / 3.3	W= .018630 / 0.0	T= 2.191 / 8.9
LAT= 36.0	U= .429 / 6.0	V= 1.410 / 4.3	W= .024537 / .2	T= 2.935 / 9.1
LAT= 42.0	U= 1.200 / 5.5	V= 1.216 / 6.6	W= .025799 / .3	T= 3.107 / 9.2
LAT= 48.0	U= 1.952 / 5.5	V= 2.025 / 7.9	W= .023349 / .5	T= 2.830 / 9.4
LAT= 54.0	U= 2.509 / 5.7	V= 2.698 / 8.4	W= .018737 / .7	T= 2.292 / 9.6
LAT= 60.0	U= 2.791 / 5.8	V= 2.963 / 8.7	W= .013584 / .9	T= 1.685 / 9.8
LAT= 66.0	U= 2.691 / 6.0	V= 2.824 / 9.0	W= .008654 / 1.2	T= 1.085 / 10.1
LAT= 72.0	U= 2.450 / 6.2	V= 2.366 / 9.2	W= .006013 / 1.4	T= .746 / 10.3
LAT= 78.0	U= 1.766 / 6.2	V= 1.654 / 9.5	W= .002278 / .4	T= .261 / 9.4
LAT= 84.0	U= .835 / 6.4	V= .854 / 10.2	W= .000582 / 10.6	T= .052 / 7.3

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1200$ K										
Z = 135.169 KM										
LAT= 0.0	U= 1.440 / 10.9	V= 0.000 / 11.4	W= .031699 / 5.3	T= 3.607 / 2.2						
LAT= 6.0	U= 1.406 / 10.8	V= 1.522 / 1.5	W= .028312 / 5.3	T= 3.239 / 2.2						
LAT= 12.0	U= 1.312 / 10.6	V= 2.678 / 1.6	W= .019024 / 5.4	T= 2.233 / 2.3						
LAT= 18.0	U= 1.147 / 10.3	V= 3.208 / 1.7	W= .006230 / 5.8	T= .853 / 2.8						
LAT= 24.0	U= .855 / 10.0	V= 3.045 / 2.0	W= .007691 / 10.9	T= .698 / 7.6						
LAT= 30.0	U= .390 / 9.7	V= 2.324 / 2.4	W= .018790 / 11.3	T= 1.894 / 8.1						
LAT= 36.0	U= .285 / 4.9	V= 1.400 / 3.2	W= .025717 / 11.5	T= 2.665 / 8.3						
LAT= 42.0	U= .990 / 4.4	V= 1.087 / 5.3	W= .027830 / 11.6	T= 2.926 / 8.5						
LAT= 48.0	U= 1.667 / 4.5	V= 1.687 / 6.8	W= .025900 / 11.8	T= 2.760 / 8.7						
LAT= 54.0	U= 2.167 / 4.6	V= 2.264 / 7.4	W= .021416 / 0.0	T= 2.318 / 8.9						
LAT= 60.0	U= 2.426 / 4.8	V= 2.516 / 7.7	W= .016084 / .3	T= 1.773 / 9.1						
LAT= 66.0	U= 2.337 / 5.0	V= 2.426 / 8.0	W= .010585 / .6	T= 1.178 / 9.4						
LAT= 72.0	U= 2.146 / 5.2	V= 2.059 / 8.3	W= .007490 / .7	T= .820 / 9.5						
LAT= 78.0	U= 1.528 / 5.2	V= 1.459 / 8.6	W= .002650 / 11.7	T= .269 / 8.6						
LAT= 84.0	U= .731 / 5.5	V= .793 / 9.3	W= .000631 / 9.3	T= .042 / 6.0						
Z = 141.772 KM										
LAT= 0.0	U= 1.351 / 10.1	V= 0.000 / 10.6	W= .033316 / 4.6	T= 3.277 / 1.5						
LAT= 6.0	U= 1.323 / 10.0	V= 1.368 / .7	W= .029938 / 4.6	T= 2.965 / 1.6						
LAT= 12.0	U= 1.246 / 9.8	V= 2.414 / .8	W= .020646 / 4.7	T= 2.106 / 1.7						
LAT= 18.0	U= 1.099 / 9.5	V= 2.915 / .9	W= .007779 / 5.1	T= .910 / 2.1						
LAT= 24.0	U= .823 / 9.3	V= 2.803 / 1.1	W= .006907 / 10.0	T= .534 / 6.5						
LAT= 30.0	U= .378 / 9.0	V= 2.191 / 1.5	W= .018452 / 10.5	T= 1.616 / 7.4						
LAT= 36.0	U= .254 / 4.1	V= 1.373 / 2.3	W= .026087 / 10.8	T= 2.381 / 7.6						
LAT= 42.0	U= .913 / 3.6	V= 1.002 / 4.2	W= .028880 / 11.0	T= 2.702 / 7.8						
LAT= 48.0	U= 1.542 / 3.7	V= 1.473 / 5.7	W= .027453 / 11.2	T= 2.626 / 8.0						
LAT= 54.0	U= 2.011 / 3.8	V= 2.005 / 6.4	W= .023206 / 11.5	T= 2.272 / 8.3						
LAT= 60.0	U= 2.260 / 3.9	V= 2.268 / 6.8	W= .017878 / 11.7	T= 1.792 / 8.5						
LAT= 66.0	U= 2.172 / 4.1	V= 2.225 / 7.1	W= .012043 / 0.0	T= 1.219 / 8.7						
LAT= 72.0	U= 2.007 / 4.3	V= 1.925 / 7.4	W= .008590 / .1	T= .855 / 8.8						
LAT= 78.0	U= 1.407 / 4.2	V= 1.395 / 7.6	W= .002895 / 11.0	T= .272 / 7.9						
LAT= 84.0	U= .691 / 4.6	V= .805 / 8.3	W= .000656 / 8.3	T= .033 / 5.0						
Z = 149.425 KM										
LAT= 0.0	U= 1.264 / 9.3	V= 0.000 / 9.9	W= .034539 / 3.9	T= 2.960 / .9						
LAT= 6.0	U= 1.243 / 9.3	V= 1.229 / 11.9	W= .031185 / 3.9	T= 2.695 / .9						
LAT= 12.0	U= 1.177 / 9.1	V= 2.181 / 11.9	W= .021952 / 4.1	T= 1.961 / 1.0						
LAT= 18.0	U= 1.035 / 8.9	V= 2.657 / .1	W= .009170 / 4.5	T= .934 / 1.5						
LAT= 24.0	U= .769 / 8.7	V= 2.592 / .3	W= .006264 / 9.0	T= .442 / 5.3						
LAT= 30.0	U= .351 / 8.2	V= 2.073 / .6	W= .017805 / 9.8	T= 1.372 / 6.6						
LAT= 36.0	U= .255 / 3.7	V= 1.337 / 1.4	W= .025834 / 10.1	T= 2.100 / 6.9						
LAT= 42.0	U= .851 / 3.1	V= .921 / 3.1	W= .029105 / 10.3	T= 2.446 / 7.1						
LAT= 48.0	U= 1.427 / 3.1	V= 1.292 / 4.8	W= .028111 / 10.6	T= 2.433 / 7.4						
LAT= 54.0	U= 1.869 / 3.1	V= 1.801 / 5.5	W= .024151 / 10.8	T= 2.149 / 7.6						
LAT= 60.0	U= 2.122 / 3.2	V= 2.085 / 5.9	W= .018950 / 11.1	T= 1.733 / 7.8						
LAT= 66.0	U= 2.047 / 3.3	V= 2.089 / 6.2	W= .012967 / 11.4	T= 1.200 / 8.0						
LAT= 72.0	U= 1.911 / 3.5	V= 1.849 / 6.5	W= .009264 / 11.5	T= .846 / 8.1						
LAT= 78.0	U= 1.333 / 3.4	V= 1.378 / 6.8	W= .003017 / 10.5	T= .271 / 7.3						
LAT= 84.0	U= .675 / 3.8	V= .847 / 7.5	W= .000556 / 7.5	T= .024 / 4.5						
Z = 158.420 KM										
LAT= 0.0	U= 1.181 / 8.6	V= 0.000 / 7.2	W= .035637 / 3.2	T= 2.668 / .2						
LAT= 6.0	U= 1.160 / 8.5	V= 1.100 / 11.1	W= .032304 / 3.3	T= 2.440 / .2						
LAT= 12.0	U= 1.094 / 8.4	V= 1.961 / 11.2	W= .023132 / 3.4	T= 1.810 / .4						
LAT= 18.0	U= .955 / 8.3	V= 2.411 / 11.3	W= .010474 / 3.9	T= .928 / .9						
LAT= 24.0	U= .707 / 8.1	V= 2.387 / 11.5	W= .005922 / 7.9	T= .416 / 4.0						
LAT= 30.0	U= .332 / 7.7	V= 1.950 / 11.8	W= .017135 / 9.0	T= 1.167 / 5.7						
LAT= 36.0	U= .204 / 3.2	V= 1.289 / .5	W= .025407 / 9.4	T= 1.829 / 6.2						
LAT= 42.0	U= .719 / 2.5	V= .827 / 2.1	W= .029069 / 9.6	T= 2.171 / 6.4						
LAT= 48.0	U= 1.231 / 2.4	V= 1.090 / 3.9	W= .028491 / 9.9	T= 2.193 / 6.7						
LAT= 54.0	U= 1.645 / 2.5	V= 1.570 / 4.7	W= .024836 / 10.2	T= 1.966 / 6.9						
LAT= 60.0	U= 1.908 / 2.5	V= 1.867 / 5.2	W= .019789 / 10.4	T= 1.610 / 7.1						
LAT= 66.0	U= 1.866 / 2.6	V= 1.911 / 5.5	W= .013690 / 10.7	T= 1.128 / 7.3						
LAT= 72.0	U= 1.762 / 2.7	V= 1.724 / 5.8	W= .009747 / 10.8	T= .796 / 7.4						
LAT= 78.0	U= 1.231 / 2.6	V= 1.317 / 6.1	W= .003037 / 10.0	T= .261 / 6.7						
LAT= 84.0	U= .643 / 3.1	V= .857 / 6.7	W= .000285 / 6.8	T= .016 / 5.4						

Table B3. Amplitude and Phase for the (2,4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1200$ K										
Z = 181.310 KM										
LAT= 0.0	U=	1.009 / 7.2	V=	0.000 / 1.9	W=	.037688 / 2.0	T=	2.130 / 11.0		
LAT= 6.0	U=	.984 / 7.2	V=	.874 / 9.6	W=	.034381 / 2.0	T=	1.960 / 11.0		
LAT= 12.0	U=	.913 / 7.2	V=	1.573 / 9.7	W=	.025288 / 2.2	T=	1.494 / 11.3		
LAT= 18.0	U=	.785 / 7.1	V=	1.967 / 9.8	W=	.012840 / 2.8	T=	.854 / 11.9		
LAT= 24.0	U=	.579 / 7.1	V=	2.002 / 10.0	W=	.006584 / 5.9	T=	.455 / 2.2		
LAT= 30.0	U=	.287 / 7.2	V=	1.708 / 10.3	W=	.016791 / 7.5	T=	.894 / 4.1		
LAT= 36.0	U=	.092 / 0.0	V=	1.199 / 10.8	W=	.025608 / 7.9	T=	1.396 / 4.7		
LAT= 42.0	U=	.471 / .7	V=	.629 / 11.9	W=	.030139 / 8.2	T=	1.690 / 5.0		
LAT= 48.0	U=	.653 / .9	V=	.655 / 2.1	W=	.030450 / 8.5	T=	1.742 / 5.3		
LAT= 54.0	U=	1.196 / 1.0	V=	1.065 / 3.2	W=	.027372 / 8.7	T=	1.590 / 5.5		
LAT= 60.0	U=	1.460 / 1.1	V=	1.364 / 3.7	W=	.022490 / 8.9	T=	1.332 / 5.7		
LAT= 66.0	U=	1.470 / 1.1	V=	1.458 / 4.0	W=	.015848 / 9.2	T=	.949 / 5.8		
LAT= 72.0	U=	1.410 / 1.2	V=	1.350 / 4.3	W=	.011139 / 9.2	T=	.661 / 5.9		
LAT= 78.0	U=	.965 / 1.2	V=	1.051 / 4.7	W=	.003097 / 8.7	T=	.222 / 5.6		
LAT= 84.0	U=	.520 / 1.7	V=	.730 / 5.4	W=	.000359 / 1.1	T=	.034 / 6.6		
Z = 209.865 KM										
LAT= 0.0	U=	.799 / 6.1	V=	0.000 / 2.0	W=	.039613 / .8	T=	1.699 / 10.1		
LAT= 6.0	U=	.777 / 6.1	V=	.703 / 8.4	W=	.036212 / .9	T=	1.573 / 10.2		
LAT= 12.0	U=	.717 / 6.1	V=	1.275 / 8.5	W=	.026914 / 1.1	T=	1.222 / 10.5		
LAT= 18.0	U=	.612 / 6.2	V=	1.618 / 8.6	W=	.014387 / 1.7	T=	.756 / 11.2		
LAT= 24.0	U=	.457 / 6.4	V=	1.624 / 8.7	W=	.008048 / 4.5	T=	.495 / 1.2		
LAT= 30.0	U=	.260 / 7.1	V=	1.453 / 9.0	W=	.017834 / 6.2	T=	.789 / 2.9		
LAT= 36.0	U=	.236 / 9.5	V=	1.116 / 9.4	W=	.027281 / 6.7	T=	1.180 / 3.6		
LAT= 42.0	U=	.430 / 10.8	V=	.648 / 10.3	W=	.032648 / 7.0	T=	1.436 / 3.9		
LAT= 48.0	U=	.685 / 11.3	V=	.448 / .2	W=	.033730 / 7.2	T=	1.503 / 4.2		
LAT= 54.0	U=	.929 / 11.6	V=	.729 / 1.7	W=	.031081 / 7.5	T=	1.394 / 4.4		
LAT= 60.0	U=	1.150 / 11.7	V=	.993 / 2.3	W=	.026222 / 7.7	T=	1.191 / 4.5		
LAT= 66.0	U=	1.176 / 11.8	V=	1.103 / 2.7	W=	.018891 / 7.9	T=	.862 / 4.7		
LAT= 72.0	U=	1.135 / 11.8	V=	1.035 / 3.0	W=	.013374 / 7.9	T=	.599 / 4.6		
LAT= 78.0	U=	.754 / 11.8	V=	.793 / 3.3	W=	.003936 / 7.5	T=	.201 / 4.5		
LAT= 84.0	U=	.332 / .3	V=	.533 / 4.1	W=	.000354 / 10.7	T=	.040 / 5.6		
Z = 240.988 KM										
LAT= 0.0	U=	.535 / 5.2	V=	0.000 / 2.0	W=	.042113 / 11.9	T=	1.453 / 9.6		
LAT= 6.0	U=	.560 / 5.2	V=	.000 / 7.4	W=	.038437 / 0.0	T=	1.349 / 9.7		
LAT= 12.0	U=	.535 / 5.3	V=	1.031 / 7.4	W=	.028521 / .2	T=	1.062 / 10.0		
LAT= 18.0	U=	.463 / 5.4	V=	1.333 / 7.6	W=	.015480 / .9	T=	.692 / 10.8		
LAT= 24.0	U=	.359 / 5.9	V=	1.447 / 7.7	W=	.009191 / 3.5	T=	.514 / .7		
LAT= 30.0	U=	.256 / 6.9	V=	1.325 / 8.0	W=	.019147 / 5.2	T=	.767 / 2.2		
LAT= 36.0	U=	.234 / 8.6	V=	1.027 / 8.4	W=	.029325 / 5.8	T=	1.109 / 2.9		
LAT= 42.0	U=	.480 / 9.5	V=	.671 / 9.1	W=	.035540 / 6.1	T=	1.353 / 3.3		
LAT= 48.0	U=	.665 / 9.9	V=	.455 / 10.8	W=	.037332 / 6.4	T=	1.433 / 3.5		
LAT= 54.0	U=	.831 / 10.3	V=	.549 / .4	W=	.035045 / 6.6	T=	1.345 / 3.7		
LAT= 60.0	U=	1.005 / 10.5	V=	.815 / 1.1	W=	.030116 / 6.8	T=	1.162 / 3.8		
LAT= 66.0	U=	1.030 / 10.7	V=	.927 / 1.5	W=	.022056 / 7.0	T=	.853 / 3.9		
LAT= 72.0	U=	.999 / 10.7	V=	.879 / 1.8	W=	.015824 / 7.0	T=	.597 / 3.9		
LAT= 78.0	U=	.662 / 10.6	V=	.666 / 2.1	W=	.005044 / 6.8	T=	.210 / 3.7		
LAT= 84.0	U=	.332 / 11.1	V=	.418 / 2.8	W=	.000970 / 8.3	T=	.046 / 4.5		
Z = 272.801 KM										
LAT= 0.0	U=	.473 / 4.4	V=	0.000 / 2.0	W=	.045225 / 11.3	T=	1.336 / 9.3		
LAT= 6.0	U=	.463 / 4.4	V=	.556 / 6.6	W=	.041222 / 11.4	T=	1.242 / 9.4		
LAT= 12.0	U=	.429 / 4.5	V=	1.014 / 6.7	W=	.030542 / 11.7	T=	.985 / 9.8		
LAT= 18.0	U=	.373 / 4.8	V=	1.296 / 6.8	W=	.016741 / .4	T=	.660 / 10.6		
LAT= 24.0	U=	.303 / 5.4	V=	1.372 / 7.0	W=	.010148 / 2.9	T=	.525 / .4		
LAT= 30.0	U=	.264 / 6.6	V=	1.252 / 7.3	W=	.020419 / 4.6	T=	.767 / 1.9		
LAT= 36.0	U=	.355 / 8.0	V=	.987 / 7.7	W=	.031411 / 5.2	T=	1.095 / 2.5		
LAT= 42.0	U=	.548 / 8.7	V=	.666 / 8.4	W=	.038437 / 5.5	T=	1.338 / 2.9		
LAT= 48.0	U=	.722 / 9.1	V=	.456 / 9.9	W=	.040817 / 5.8	T=	1.427 / 3.1		
LAT= 54.0	U=	.854 / 9.4	V=	.559 / 11.5	W=	.038768 / 6.1	T=	1.349 / 3.3		
LAT= 60.0	U=	.969 / 9.7	V=	.775 / .3	W=	.033636 / 6.2	T=	1.173 / 3.4		
LAT= 66.0	U=	1.018 / 9.8	V=	.835 / .7	W=	.024763 / 6.4	T=	.868 / 3.6		
LAT= 72.0	U=	.988 / 9.9	V=	.867 / .9	W=	.017812 / 6.4	T=	.613 / 3.5		
LAT= 78.0	U=	.655 / 9.8	V=	.650 / 1.2	W=	.005769 / 6.4	T=	.223 / 3.4		
LAT= 84.0	U=	.330 / 10.2	V=	.395 / 1.8	W=	.001749 / 7.8	T=	.056 / 3.9		

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200$, and 1400 K (contd)

$T_0 = 1200$ K												
Z = 301.762 km												
LAT = 0.0	U =	.427	3.7	V =	0.000	2.0	W =	.008161	10.9	T =	1.268	9.1
LAT = 6.0	U =	.418	3.8	V =	.552	6.0	W =	.043907	11.0	T =	1.198	9.2
LAT = 12.0	U =	.397	4.0	V =	1.005	6.1	W =	.092605	11.3	T =	.953	9.6
LAT = 18.0	U =	.337	4.4	V =	1.295	6.3	W =	.018077	0.0	T =	.648	10.5
LAT = 24.0	U =	.285	5.1	V =	1.354	6.5	W =	.010910	2.5	T =	.533	10.3
LAT = 30.0	U =	.283	6.4	V =	1.253	6.8	W =	.021435	4.2	T =	.775	11.7
LAT = 36.0	U =	.409	7.6	V =	.997	7.2	W =	.053134	4.8	T =	1.102	2.3
LAT = 42.0	U =	.621	8.2	V =	.683	7.9	W =	.040756	5.2	T =	1.348	2.7
LAT = 48.0	U =	.803	8.6	V =	.473	9.4	W =	.043502	5.5	T =	1.443	2.9
LAT = 54.0	U =	.928	8.9	V =	.572	11.0	W =	.041567	5.7	T =	1.369	3.1
LAT = 60.0	U =	1.061	9.2	V =	.739	11.8	W =	.036219	5.9	T =	1.105	3.2
LAT = 66.0	U =	1.072	9.3	V =	.930	11.1	W =	.026641	6.1	T =	.897	3.4
LAT = 72.0	U =	1.039	9.4	V =	.895	11.4	W =	.019094	6.1	T =	.628	3.3
LAT = 78.0	U =	.687	9.3	V =	.682	11.6	W =	.006087	6.2	T =	.233	3.2
LAT = 84.0	U =	.351	9.7	V =	.413	11.2	W =	.002328	7.6	T =	.063	3.6
Z = 330.754 km												
LAT = 0.0	U =	.422	3.3	V =	0.000	2.0	W =	.050332	10.7	T =	1.277	9.0
LAT = 6.0	U =	.412	3.4	V =	.553	5.7	W =	.045938	10.8	T =	1.168	9.2
LAT = 12.0	U =	.380	3.6	V =	1.024	5.8	W =	.034256	11.0	T =	.946	9.6
LAT = 18.0	U =	.337	4.1	V =	1.312	6.0	W =	.019186	11.7	T =	.648	10.4
LAT = 24.0	U =	.286	5.0	V =	1.347	6.2	W =	.011315	2.1	T =	.543	10.2
LAT = 30.0	U =	.306	6.3	V =	1.289	6.5	W =	.021912	4.0	T =	.786	11.6
LAT = 36.0	U =	.456	7.4	V =	1.011	6.9	W =	.034055	4.6	T =	1.117	2.2
LAT = 42.0	U =	.687	8.0	V =	.712	7.6	W =	.031970	4.9	T =	1.367	2.6
LAT = 48.0	U =	.852	8.3	V =	.496	9.1	W =	.034853	5.3	T =	1.467	2.8
LAT = 54.0	U =	1.010	8.6	V =	.697	10.7	W =	.032969	5.5	T =	1.394	3.0
LAT = 60.0	U =	1.138	8.9	V =	.838	11.5	W =	.037505	5.7	T =	1.218	3.1
LAT = 66.0	U =	1.141	9.0	V =	.983	11.8	W =	.027506	5.9	T =	.906	3.3
LAT = 72.0	U =	1.103	9.1	V =	.949	11.1	W =	.019584	5.9	T =	.643	3.2
LAT = 78.0	U =	.727	9.0	V =	.722	11.3	W =	.006073	6.1	T =	.241	3.1
LAT = 84.0	U =	.375	9.3	V =	.438	11.8	W =	.002699	7.5	T =	.069	3.5
Z = 360.750 km												
LAT = 0.0	U =	.413	3.1	V =	0.000	2.0	W =	.051507	10.5	T =	1.286	9.0
LAT = 6.0	U =	.422	3.1	V =	.576	5.5	W =	.047071	10.6	T =	1.197	9.1
LAT = 12.0	U =	.389	3.4	V =	1.050	5.6	W =	.035245	10.8	T =	.954	9.5
LAT = 18.0	U =	.330	3.9	V =	1.349	5.8	W =	.019880	11.5	T =	.655	10.4
LAT = 24.0	U =	.294	4.8	V =	1.440	6.0	W =	.011272	1.9	T =	.552	10.2
LAT = 30.0	U =	.328	6.2	V =	1.333	6.3	W =	.021691	3.8	T =	.802	11.6
LAT = 36.0	U =	.445	7.3	V =	1.070	6.7	W =	.033945	4.4	T =	1.135	2.2
LAT = 42.0	U =	.740	7.9	V =	.740	7.4	W =	.031847	4.8	T =	1.392	2.5
LAT = 48.0	U =	.848	8.2	V =	.515	8.9	W =	.034673	5.1	T =	1.495	2.8
LAT = 54.0	U =	1.077	8.4	V =	.622	10.5	W =	.032820	5.4	T =	1.422	3.0
LAT = 60.0	U =	1.204	8.7	V =	.877	11.3	W =	.037388	5.6	T =	1.243	3.1
LAT = 66.0	U =	1.203	8.9	V =	1.032	11.7	W =	.027329	5.7	T =	.925	3.2
LAT = 72.0	U =	1.161	8.9	V =	.997	11.9	W =	.019347	5.7	T =	.657	3.1
LAT = 78.0	U =	.761	8.3	V =	.757	11.1	W =	.005794	6.0	T =	.247	3.1
LAT = 84.0	U =	.394	9.2	V =	.459	11.6	W =	.002892	7.4	T =	.071	3.4
Z = 400.750 km												
LAT = 0.0	U =	.445	3.0	V =	0.000	2.0	W =	.051656	10.4	T =	1.305	9.0
LAT = 6.0	U =	.435	3.0	V =	.589	5.4	W =	.047257	10.4	T =	1.214	9.1
LAT = 12.0	U =	.399	3.3	V =	1.075	5.5	W =	.035510	10.7	T =	.968	9.5
LAT = 18.0	U =	.346	3.8	V =	1.379	5.7	W =	.020118	11.3	T =	.666	10.4
LAT = 24.0	U =	.304	4.8	V =	1.461	5.9	W =	.010798	1.6	T =	.563	10.1
LAT = 30.0	U =	.345	6.1	V =	1.373	6.2	W =	.020747	3.6	T =	.818	11.5
LAT = 36.0	U =	.521	7.2	V =	1.103	6.6	W =	.032773	4.3	T =	1.157	2.2
LAT = 42.0	U =	.778	7.9	V =	.763	7.4	W =	.030382	4.7	T =	1.419	2.5
LAT = 48.0	U =	.995	8.1	V =	.532	8.8	W =	.032998	5.0	T =	1.525	2.8
LAT = 54.0	U =	1.127	8.4	V =	.642	10.5	W =	.031183	5.3	T =	1.451	2.9
LAT = 60.0	U =	1.255	8.6	V =	.908	11.3	W =	.035937	5.5	T =	1.269	3.1
LAT = 66.0	U =	1.251	8.8	V =	1.070	11.6	W =	.026176	5.6	T =	.944	3.2
LAT = 72.0	U =	1.204	8.8	V =	1.033	11.8	W =	.018449	5.6	T =	.671	3.1
LAT = 78.0	U =	.788	8.8	V =	.794	11.0	W =	.005307	6.0	T =	.254	3.1
LAT = 84.0	U =	.409	9.1	V =	.475	11.5	W =	.002936	7.5	T =	.074	3.4

Table B3. Amplitude and Phase for the (2, 4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 1400 K

Z = 100.017 KM

LAT= 0.0	U= .585 / 7.5	V= 0.000 / 8.3	W= .010635 / 2.3	T= .884 / 11.8
LAT= 6.0	U= .619 / 7.5	V= 1.332 / 10.6	W= .008960 / 2.3	T= .743 / 11.8
LAT= 12.0	U= .648 / 7.5	V= 2.162 / 10.6	W= .004456 / 2.4	T= .367 / 11.7
LAT= 18.0	U= .516 / 7.5	V= 2.187 / 10.6	W= .001514 / 8.2	T= .127 / 6.3
LAT= 24.0	U= .119 / 6.1	V= 1.408 / 10.6	W= .007226 / 8.4	T= .582 / 6.0
LAT= 30.0	U= .668 / 2.0	V= .121 / 9.6	W= .011251 / 8.4	T= .892 / 6.0
LAT= 36.0	U= 1.572 / 1.9	V= 1.333 / 4.8	W= .012854 / 8.5	T= 1.000 / 6.0
LAT= 42.0	U= 2.423 / 1.9	V= 2.518 / 4.8	W= .012133 / 8.6	T= .925 / 6.1
LAT= 48.0	U= 3.013 / 1.9	V= 3.230 / 4.8	W= .009820 / 8.7	T= .735 / 6.1
LAT= 54.0	U= 3.228 / 1.9	V= 3.422 / 4.8	W= .006899 / 8.9	T= .506 / 6.2
LAT= 60.0	U= 3.064 / 1.9	V= 3.183 / 4.9	W= .004205 / 9.1	T= .303 / 6.4
LAT= 66.0	U= 2.628 / 1.9	V= 2.660 / 4.9	W= .002231 / 9.4	T= .158 / 6.6
LAT= 72.0	U= 2.041 / 1.9	V= 1.995 / 4.9	W= .001250 / 9.8	T= .088 / 7.0
LAT= 78.0	U= 1.264 / 1.9	V= 1.303 / 4.9	W= .000424 / 9.9	T= .023 / 6.6
LAT= 84.0	U= .646 / 1.9	V= .662 / 4.9	W= .000135 / 7.6	T= .009 / 4.4

Z = 103.521 KM

LAT= 0.0	U= 1.041 / 6.7	V= 0.000 / 1.1	W= .013833 / 1.1	T= 1.364 / 10.7
LAT= 6.0	U= 1.078 / 6.6	V= 2.121 / 9.7	W= .011647 / 1.1	T= 1.152 / 10.7
LAT= 12.0	U= 1.099 / 6.6	V= 3.503 / 9.7	W= .005802 / 1.3	T= .586 / 10.8
LAT= 18.0	U= .886 / 6.5	V= 3.672 / 9.7	W= .002046 / 6.5	T= .164 / 4.5
LAT= 24.0	U= .259 / 5.7	V= 2.572 / 9.8	W= .009268 / 7.1	T= .874 / 4.8
LAT= 30.0	U= .926 / 1.0	V= .561 / 10.2	W= .014309 / 7.2	T= 1.370 / 4.9
LAT= 36.0	U= 2.381 / .9	V= 1.840 / 3.6	W= .016213 / 7.4	T= 1.560 / 5.0
LAT= 42.0	U= 3.845 / .8	V= 3.947 / 3.7	W= .015173 / 7.5	T= 1.464 / 5.1
LAT= 48.0	U= 4.974 / .8	V= 5.367 / 3.8	W= .012177 / 7.7	T= 1.177 / 5.2
LAT= 54.0	U= 5.528 / .9	V= 5.933 / 3.8	W= .008487 / 8.0	T= .823 / 5.4
LAT= 60.0	U= 5.437 / .9	V= 5.711 / 3.9	W= .005150 / 8.3	T= .501 / 5.7
LAT= 66.0	U= 4.801 / 1.0	V= 4.912 / 4.0	W= .002747 / 8.7	T= .266 / 6.1
LAT= 72.0	U= 3.791 / 1.0	V= 3.776 / 4.0	W= .001572 / 9.3	T= .149 / 6.6
LAT= 78.0	U= 2.564 / 1.0	V= 2.503 / 4.1	W= .000673 / 9.5	T= .063 / 6.6
LAT= 84.0	U= 1.256 / 1.1	V= 1.201 / 4.1	W= .000184 / 7.4	T= .017 / 4.5

Z = 107.177 KM

LAT= 0.0	U= 1.573 / 5.3	V= 0.000 / 11.7	W= .016819 / 11.7	T= 2.160 / 9.2
LAT= 6.0	U= 1.598 / 5.3	V= 2.833 / 8.2	W= .014192 / 11.7	T= 1.835 / 9.2
LAT= 12.0	U= 1.580 / 5.2	V= 4.736 / 8.2	W= .007189 / 11.8	T= .964 / 9.4
LAT= 18.0	U= 1.286 / 5.1	V= 5.100 / 8.3	W= .002177 / 5.0	T= .218 / 2.3
LAT= 24.0	U= .494 / 4.7	V= 3.833 / 8.5	W= .010666 / 5.6	T= 1.288 / 3.1
LAT= 30.0	U= .926 / 11.6	V= 1.416 / 9.1	W= .016491 / 5.8	T= 2.043 / 3.3
LAT= 36.0	U= 2.725 / 11.4	V= 1.924 / 1.6	W= .018570 / 5.9	T= 2.333 / 3.4
LAT= 42.0	U= 4.586 / 11.4	V= 4.647 / 2.1	W= .017226 / 6.1	T= 2.190 / 3.6
LAT= 48.0	U= 6.086 / 11.4	V= 6.600 / 2.3	W= .013689 / 6.3	T= 1.762 / 3.8
LAT= 54.0	U= 6.901 / 11.5	V= 7.477 / 2.4	W= .009454 / 6.6	T= 1.233 / 4.1
LAT= 60.0	U= 6.908 / 11.5	V= 7.321 / 2.5	W= .005695 / 6.9	T= .758 / 4.4
LAT= 66.0	U= 6.171 / 11.6	V= 6.378 / 2.6	W= .003010 / 7.4	T= .407 / 4.8
LAT= 72.0	U= 4.943 / 11.7	V= 4.948 / 2.7	W= .001777 / 8.1	T= .246 / 5.5
LAT= 78.0	U= 3.420 / 11.8	V= 3.289 / 2.8	W= .000691 / 7.7	T= .098 / 5.0
LAT= 84.0	U= 1.661 / 11.8	V= 1.557 / 3.0	W= .000210 / 5.9	T= .028 / 3.2

Z = 111.019 KM

LAT= 0.0	U= 1.890 / 3.9	V= 0.000 / 10.2	W= .019007 / 10.1	T= 3.088 / 7.5
LAT= 6.0	U= 1.892 / 3.9	V= 3.027 / 6.8	W= .016176 / 10.2	T= 2.647 / 7.5
LAT= 12.0	U= 1.824 / 3.8	V= 5.119 / 6.8	W= .008612 / 10.3	T= 1.468 / 7.6
LAT= 18.0	U= 1.495 / 3.6	V= 5.658 / 6.9	W= .001490 / 3.3	T= .189 / 11.5
LAT= 24.0	U= .720 / 3.2	V= 4.530 / 7.1	W= .010747 / 4.1	T= 1.592 / 1.4
LAT= 30.0	U= .686 / 10.4	V= 2.201 / 7.7	W= .017203 / 4.3	T= 2.629 / 1.6
LAT= 36.0	U= 2.400 / 10.0	V= 1.505 / 11.4	W= .019652 / 4.4	T= 3.049 / 1.7
LAT= 42.0	U= 4.231 / 9.9	V= 4.126 / .5	W= .018411 / 4.6	T= 2.892 / 1.9
LAT= 48.0	U= 5.761 / 10.0	V= 6.198 / .8	W= .014776 / 4.8	T= 2.352 / 2.1
LAT= 54.0	U= 6.661 / 10.0	V= 7.235 / .9	W= .010332 / 5.0	T= 1.672 / 2.4
LAT= 60.0	U= 6.790 / 10.1	V= 7.230 / 1.1	W= .006334 / 5.3	T= 1.052 / 2.7
LAT= 66.0	U= 6.139 / 10.2	V= 6.398 / 1.2	W= .003415 / 5.8	T= .582 / 3.2
LAT= 72.0	U= 5.023 / 10.4	V= 5.023 / 1.3	W= .002093 / 6.4	T= .374 / 3.8
LAT= 78.0	U= 3.521 / 10.4	V= 3.354 / 1.4	W= .000846 / 5.8	T= .150 / 2.9
LAT= 84.0	U= 1.699 / 10.4	V= 1.578 / 1.7	W= .000259 / 3.9	T= .043 / 1.2

Table B3. Amplitude and Phase for the (2,4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 1400 K

Z = 115.091 KM

LAT= 0.0	U= 1.923 / 2.6	V= 0.000 / 8.8	W= .021433 / 8.7	T= 3.975 / 5.8
LAT= 6.0	U= 1.900 / 2.6	V= 2.777 / 5.5	W= .018436 / 8.8	T= 3.441 / 5.9
LAT= 12.0	U= 1.787 / 2.4	V= 4.758 / 5.5	W= .010396 / 8.8	T= 2.013 / 6.0
LAT= 18.0	U= 1.470 / 2.2	V= 5.405 / 5.6	W= .000538 / .7	T= .214 / 7.8
LAT= 24.0	U= .830 / 1.8	V= 4.602 / 5.8	W= .010423 / 2.8	T= 1.712 / 11.7
LAT= 30.0	U= .458 / 10.0	V= 2.704 / 6.3	W= .017630 / 2.9	T= 3.001 / 11.9
LAT= 36.0	U= 1.771 / 8.8	V= 1.205 / 8.9	W= .020663 / 3.0	T= 3.562 / .1
LAT= 42.0	U= 3.292 / 8.7	V= 3.007 / 10.9	W= .019761 / 3.2	T= 3.435 / .3
LAT= 48.0	U= 4.630 / 8.7	V= 4.886 / 11.4	W= .016203 / 3.3	T= 2.842 / .5
LAT= 54.0	U= 5.496 / 8.8	V= 5.958 / 11.6	W= .011614 / 3.5	T= 2.064 / .8
LAT= 60.0	U= 5.744 / 8.9	V= 6.135 / 11.8	W= .007345 / 3.8	T= 1.336 / 1.1
LAT= 66.0	U= 5.297 / 9.0	V= 5.560 / .0	W= .004083 / 4.2	T= .765 / 1.5
LAT= 72.0	U= 4.480 / 9.1	V= 4.447 / .1	W= .002593 / 4.7	T= .510 / 2.0
LAT= 78.0	U= 3.175 / 9.1	V= 3.003 / .2	W= .001119 / 3.8	T= .209 / 1.0
LAT= 84.0	U= 1.523 / 9.2	V= 1.429 / .6	W= .000367 / 2.2	T= .064 / 11.3

Z = 119.451 KM

LAT= 0.0	U= 1.808 / 1.4	V= 0.000 / 7.6	W= .024510 / 7.6	T= 4.549 / 4.5
LAT= 6.0	U= 1.768 / 1.4	V= 2.395 / 4.3	W= .021311 / 7.6	T= 3.977 / 4.5
LAT= 12.0	U= 1.634 / 1.2	V= 4.148 / 4.4	W= .012692 / 7.7	T= 2.440 / 4.6
LAT= 18.0	U= 1.349 / 1.0	V= 4.818 / 4.5	W= .001261 / 8.4	T= .427 / 5.4
LAT= 24.0	U= .851 / .5	V= 4.299 / 4.7	W= .010099 / 1.6	T= 1.623 / 10.4
LAT= 30.0	U= .378 / 10.0	V= 2.854 / 5.1	W= .018397 / 1.7	T= 3.085 / 10.6
LAT= 36.0	U= 1.206 / 7.9	V= 1.328 / 6.7	W= .022338 / 1.8	T= 3.785 / 10.8
LAT= 42.0	U= 2.380 / 7.6	V= 2.069 / 9.3	W= .022010 / 2.0	T= 3.745 / 10.9
LAT= 48.0	U= 3.469 / 7.6	V= 3.589 / 10.1	W= .018637 / 2.1	T= 3.185 / 11.1
LAT= 54.0	U= 4.231 / 7.6	V= 4.573 / 10.4	W= .013866 / 2.3	T= 2.388 / 11.4
LAT= 60.0	U= 4.536 / 7.8	V= 4.852 / 10.7	W= .009182 / 2.5	T= 1.608 / 11.6
LAT= 66.0	U= 4.273 / 7.9	V= 4.501 / 10.9	W= .005324 / 2.9	T= .954 / .0
LAT= 72.0	U= 3.739 / 8.1	V= 3.671 / 11.0	W= .003482 / 3.3	T= .642 / .4
LAT= 78.0	U= 2.672 / 8.0	V= 2.513 / 11.2	W= .001502 / 2.4	T= .261 / 11.4
LAT= 84.0	U= 1.276 / 8.2	V= 1.225 / 11.7	W= .000474 / 1.0	T= .077 / 9.8

Z = 124.175 KM

LAT= 0.0	U= 1.676 / .4	V= 0.000 / 6.7	W= .027932 / 6.6	T= 4.672 / 3.5
LAT= 6.0	U= 1.629 / .4	V= 2.041 / 3.3	W= .024530 / 6.7	T= 4.123 / 3.5
LAT= 12.0	U= 1.495 / .2	V= 3.562 / 3.4	W= .015308 / 6.7	T= 2.639 / 3.6
LAT= 18.0	U= 1.253 / 11.9	V= 4.204 / 3.5	W= .002878 / 7.1	T= .659 / 4.1
LAT= 24.0	U= .658 / 11.5	V= 3.873 / 3.7	W= .009746 / .6	T= 1.382 / 9.3
LAT= 30.0	U= .371 / 9.9	V= 2.768 / 4.1	W= .019385 / .7	T= 2.903 / 9.6
LAT= 36.0	U= .774 / 7.0	V= 1.460 / 5.3	W= .024511 / .9	T= 3.712 / 9.7
LAT= 42.0	U= 1.689 / 6.6	V= 1.528 / 7.8	W= .024994 / 1.0	T= 3.801 / 9.9
LAT= 48.0	U= 2.581 / 6.5	V= 2.662 / 8.9	W= .021949 / 1.2	T= 3.350 / 10.1
LAT= 54.0	U= 3.239 / 6.6	V= 3.503 / 9.3	W= .017026 / 1.3	T= 2.617 / 10.3
LAT= 60.0	U= 3.554 / 6.7	V= 3.805 / 9.6	W= .011869 / 1.6	T= 1.848 / 10.5
LAT= 66.0	U= 3.411 / 6.9	V= 3.595 / 9.9	W= .007234 / 1.9	T= 1.144 / 10.8
LAT= 72.0	U= 3.069 / 7.1	V= 2.983 / 10.1	W= .004910 / 2.1	T= .778 / 11.1
LAT= 78.0	U= 2.207 / 7.0	V= 2.069 / 10.3	W= .001980 / 1.3	T= .294 / 10.2
LAT= 84.0	U= 1.049 / 7.3	V= 1.044 / 10.9	W= .000551 / 11.8	T= .072 / 8.4

Z = 129.367 KM

LAT= 0.0	U= 1.559 / 11.5	V= 0.000 / 5.8	W= .031066 / 5.8	T= 4.451 / 2.7
LAT= 6.0	U= 1.513 / 11.5	V= 1.761 / 2.3	W= .027522 / 5.9	T= 3.962 / 2.7
LAT= 12.0	U= 1.391 / 11.2	V= 3.028 / 2.4	W= .017851 / 5.9	T= 2.631 / 2.8
LAT= 18.0	U= 1.188 / 11.0	V= 3.680 / 2.5	W= .004639 / 6.3	T= .826 / 3.2
LAT= 24.0	U= .860 / 10.6	V= 3.457 / 2.8	W= .009212 / 11.7	T= 1.090 / 8.4
LAT= 30.0	U= .387 / 9.8	V= 2.581 / 3.2	W= .020149 / 11.9	T= 2.572 / 8.7
LAT= 36.0	U= .472 / 6.1	V= 1.486 / 4.2	W= .026532 / .1	T= 3.446 / 8.9
LAT= 42.0	U= 1.238 / 5.5	V= 1.262 / 6.4	W= .027961 / .2	T= 3.658 / 9.1
LAT= 48.0	U= 2.000 / 5.5	V= 2.080 / 7.7	W= .025399 / .4	T= 3.346 / 9.3
LAT= 54.0	U= 2.575 / 5.6	V= 2.777 / 8.3	W= .020462 / .6	T= 2.722 / 9.5
LAT= 60.0	U= 2.870 / 5.7	V= 3.060 / 8.6	W= .014918 / .8	T= 2.011 / 9.7
LAT= 66.0	U= 2.785 / 5.9	V= 2.928 / 8.9	W= .009506 / 1.1	T= 1.296 / 10.0
LAT= 72.0	U= 2.551 / 6.1	V= 2.461 / 9.2	W= .006643 / 1.3	T= .894 / 10.1
LAT= 78.0	U= 1.834 / 6.1	V= 1.729 / 9.4	W= .002479 / .4	T= .311 / 9.3
LAT= 84.0	U= .873 / 6.4	V= .911 / 10.1	W= .000601 / 10.5	T= .058 / 7.2

Table B3. Amplitude and Phase for the (2,4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 1400 K

Z = 135.169 KM

LAT= 0.0	U= 1.449 / 10.7	V= 0.000 / 11.3	W= .033422 / 5.1	T= 4.074 / 2.0
LAT= 6.0	U= 1.411 / 10.7	V= 1.548 / 1.4	W= .029827 / 5.2	T= 3.655 / 2.1
LAT= 12.0	U= 1.308 / 10.4	V= 2.725 / 1.5	W= .019966 / 5.2	T= 2.511 / 2.2
LAT= 18.0	U= 1.137 / 10.1	V= 3.271 / 1.7	W= .006350 / 5.6	T= .929 / 2.5
LAT= 24.0	U= .845 / 9.8	V= 3.113 / 1.9	W= .008439 / 10.9	T= .817 / 7.6
LAT= 30.0	U= .392 / 9.3	V= 2.387 / 2.3	W= .020338 / 11.2	T= 2.205 / 8.0
LAT= 36.0	U= .319 / 5.0	V= 1.448 / 3.2	W= .027795 / 11.4	T= 3.098 / 8.2
LAT= 42.0	U= 1.017 / 4.4	V= 1.122 / 5.2	W= .030131 / 11.5	T= 3.410 / 8.4
LAT= 48.0	U= 1.705 / 4.5	V= 1.732 / 6.7	W= .028138 / 11.7	T= 3.229 / 8.6
LAT= 54.0	U= 2.221 / 4.6	V= 2.329 / 7.3	W= .023359 / .0	T= 2.724 / 8.8
LAT= 60.0	U= 2.490 / 4.7	V= 2.596 / 7.7	W= .017630 / .2	T= 2.090 / 9.0
LAT= 66.0	U= 2.416 / 4.9	V= 2.513 / 8.0	W= .011620 / .5	T= 1.390 / 9.2
LAT= 72.0	U= 2.230 / 5.2	V= 2.140 / 8.2	W= .008253 / .6	T= .970 / 9.4
LAT= 78.0	U= 1.587 / 5.1	V= 1.527 / 8.5	W= .002892 / 11.6	T= .317 / 8.5
LAT= 84.0	U= .765 / 5.5	V= .849 / 9.2	W= .000653 / 9.2	T= .046 / 5.9

Z = 141.772 KM

LAT= 0.0	U= 1.347 / 10.0	V= 0.000 / 10.5	W= .034994 / 4.5	T= 3.670 / 1.4
LAT= 6.0	U= 1.315 / 9.9	V= 1.381 / .6	W= .031416 / 4.1	T= 3.317 / 1.4
LAT= 12.0	U= 1.232 / 9.7	V= 2.439 / .7	W= .021570 / 4.6	T= 2.346 / 1.5
LAT= 18.0	U= 1.081 / 9.4	V= 2.949 / .8	W= .007892 / 5.0	T= .984 / 1.3
LAT= 24.0	U= .808 / 9.1	V= 2.841 / 1.0	W= .007539 / 10.0	T= .600 / 6.6
LAT= 30.0	U= .374 / 8.6	V= 2.226 / 1.4	W= .019911 / 10.5	T= 1.859 / 7.3
LAT= 36.0	U= .289 / 4.3	V= 1.398 / 2.2	W= .028091 / 10.7	T= 2.738 / 7.6
LAT= 42.0	U= .943 / 3.7	V= 1.025 / 4.1	W= .031137 / 10.9	T= 3.114 / 7.8
LAT= 48.0	U= 1.584 / 3.7	V= 1.512 / 5.7	W= .029691 / 11.1	T= 3.038 / 8.0
LAT= 54.0	U= 2.066 / 3.7	V= 2.063 / 6.3	W= .025201 / 11.4	T= 2.638 / 8.2
LAT= 60.0	U= 2.321 / 3.9	V= 2.340 / 6.7	W= .019502 / 11.6	T= 2.086 / 8.4
LAT= 66.0	U= 2.247 / 4.0	V= 2.306 / 7.0	W= .013168 / 11.9	T= 1.422 / 8.6
LAT= 72.0	U= 2.086 / 4.2	V= 2.003 / 7.3	W= .009415 / .0	T= 1.000 / 8.7
LAT= 78.0	U= 1.463 / 4.2	V= 1.462 / 7.6	W= .003168 / 11.0	T= .321 / 7.3
LAT= 84.0	U= .724 / 4.6	V= .862 / 8.3	W= .000694 / 8.2	T= .038 / 4.8

Z = 149.425 KM

LAT= 0.0	U= 1.249 / 9.2	V= 0.000 / 9.8	W= .026132 / 3.8	T= 3.300 / .7
LAT= 6.0	U= 1.225 / 9.2	V= 1.234 / 11.8	W= .032593 / 3.8	T= 3.002 / .8
LAT= 12.0	U= 1.155 / 9.0	V= 2.191 / 11.9	W= .022842 / 4.0	T= 2.175 / .9
LAT= 18.0	U= 1.011 / 8.7	V= 2.671 / .0	W= .009278 / 4.4	T= 1.007 / 1.3
LAT= 24.0	U= .749 / 8.5	V= 2.609 / .2	W= .006663 / 9.1	T= .455 / 5.5
LAT= 30.0	U= .348 / 7.8	V= 2.085 / .6	W= .019071 / 9.8	T= 1.554 / 6.6
LAT= 36.0	U= .301 / 3.8	V= 1.345 / 1.3	W= .027642 / 10.1	T= 2.387 / 6.9
LAT= 42.0	U= .889 / 3.1	V= .934 / 3.1	W= .031181 / 10.3	T= 2.788 / 7.1
LAT= 48.0	U= 1.477 / 3.1	V= 1.329 / 4.8	W= .030208 / 10.5	T= 2.784 / 7.3
LAT= 54.0	U= 1.931 / 3.1	V= 1.857 / 5.5	W= .026065 / 10.8	T= 2.472 / 7.5
LAT= 60.0	U= 2.184 / 3.2	V= 2.156 / 5.9	W= .020536 / 11.1	T= 1.998 / 7.7
LAT= 66.0	U= 2.122 / 3.3	V= 2.170 / 6.2	W= .014093 / 11.3	T= 1.387 / 7.9
LAT= 72.0	U= 1.989 / 3.4	V= 1.928 / 6.5	W= .010093 / 11.4	T= .980 / 8.0
LAT= 78.0	U= 1.388 / 3.4	V= 1.448 / 6.8	W= .003319 / 10.5	T= .517 / 7.3
LAT= 84.0	U= .709 / 3.8	V= .907 / 7.5	W= .000603 / 7.4	T= .027 / 4.3

Z = 158.420 KM

LAT= 0.0	U= 1.158 / 8.5	V= 0.000 / 7.1	W= .037139 / 3.2	T= 2.993 / .0
LAT= 6.0	U= 1.134 / 8.5	V= 1.098 / 11.0	W= .033642 / 3.2	T= 2.726 / .1
LAT= 12.0	U= 1.067 / 8.3	V= 1.959 / 11.1	W= .024008 / 3.3	T= 2.014 / .2
LAT= 18.0	U= .927 / 8.1	V= 2.410 / 11.2	W= .010619 / 3.8	T= 1.007 / .6
LAT= 24.0	U= .684 / 7.9	V= 2.383 / 11.4	W= .005954 / 8.1	T= .387 / 4.2
LAT= 30.0	U= .328 / 7.2	V= 1.942 / 11.8	W= .018098 / 9.1	T= 1.246 / 5.8
LAT= 36.0	U= .261 / 3.5	V= 1.275 / .5	W= .026919 / 9.4	T= 2.057 / 6.1
LAT= 42.0	U= .761 / 2.6	V= .825 / 2.1	W= .030876 / 9.6	T= 2.453 / 6.4
LAT= 48.0	U= 1.283 / 2.5	V= 1.125 / 4.0	W= .030366 / 9.9	T= 2.489 / 6.6
LAT= 54.0	U= 1.709 / 2.5	V= 1.627 / 4.7	W= .026598 / 10.1	T= 2.245 / 6.8
LAT= 60.0	U= 1.970 / 2.5	V= 1.939 / 5.2	W= .021276 / 10.4	T= 1.843 / 7.0
LAT= 66.0	U= 1.939 / 2.6	V= 1.990 / 5.5	W= .014768 / 10.6	T= 1.295 / 7.2
LAT= 72.0	U= 1.835 / 2.7	V= 1.803 / 5.8	W= .010546 / 10.7	T= .915 / 7.3
LAT= 78.0	U= 1.286 / 2.6	V= 1.389 / 6.1	W= .003357 / 10.0	T= .305 / 6.7
LAT= 84.0	U= .679 / 3.1	V= .920 / 6.8	W= .000319 / 6.8	T= .019 / 5.1

Table B3. Amplitude and Phase for the (2,4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

										$T_0 = 1400$ K	
Z = 181.310 KM											
LAT= 0.0	U=	.993	/	7.2	V=	0.000	/	1.8	W=	.038973	/ 1.9 T= 2.429 / 10.8
LAT= 6.0	U=	.967	/	7.1	V=	.863	/	9.6	W=	.035585	/ 2.0 T= 2.235 / 10.8
LAT= 12.0	U=	.896	/	7.1	V=	1.554	/	9.7	W=	.026237	/ 2.1 T= 1.700 / 11.0
LAT= 18.0	U=	.768	/	7.0	V=	1.942	/	9.8	W=	.013254	/ 2.6 T= .952 / 11.5
LAT= 24.0	U=	.564	/	6.9	V=	1.970	/	10.0	W=	.005960	/ 5.9 T= .411 / 1.9
LAT= 30.0	U=	.274	/	6.6	V=	1.669	/	10.2	W=	.016939	/ 7.5 T= .940 / 4.1
LAT= 36.0	U=	.098	/	1.7	V=	1.148	/	10.7	W=	.026372	/ 7.9 T= 1.531 / 4.6
LAT= 42.0	U=	.482	/	1.1	V=	.642	/	.0	W=	.031328	/ 8.2 T= 1.875 / 4.9
LAT= 48.0	U=	.895	/	1.1	V=	.686	/	2.3	W=	.031852	/ 8.5 T= 1.947 / 5.2
LAT= 54.0	U=	1.250	/	1.1	V=	1.108	/	3.3	W=	.026809	/ 8.7 T= 1.793 / 5.4
LAT= 60.0	U=	1.513	/	1.1	V=	1.421	/	3.8	W=	.023746	/ 8.9 T= 1.506 / 5.6
LAT= 66.0	U=	1.529	/	1.1	V=	1.522	/	4.1	W=	.016772	/ 9.1 T= 1.075 / 5.7
LAT= 72.0	U=	1.464	/	1.2	V=	1.415	/	4.4	W=	.011794	/ 9.2 T= .751 / 5.7
LAT= 78.0	U=	1.008	/	1.2	V=	1.115	/	4.7	W=	.003338	/ 8.8 T= .254 / 5.5
LAT= 84.0	U=	.552	/	1.7	V=	.792	/	5.4	W=	.000397	/ 1.0 T= .038 / 6.6
Z = 209.865 KM											
LAT= 0.0	U=	.829	/	6.0	V=	0.000	/	1.8	W=	.040487	/ .8 T= 1.950 / 9.9
LAT= 6.0	U=	.807	/	6.0	V=	.688	/	8.4	W=	.037118	/ .8 T= 1.805 / 9.9
LAT= 12.0	U=	.742	/	6.0	V=	1.249	/	8.4	W=	.027829	/ 1.0 T= 1.404 / 10.2
LAT= 18.0	U=	.631	/	6.0	V=	1.585	/	8.5	W=	.015032	/ 1.6 T= .853 / 10.8
LAT= 24.0	U=	.464	/	6.1	V=	1.650	/	8.7	W=	.007502	/ 4.3 T= .476 / .7
LAT= 30.0	U=	.237	/	6.4	V=	1.455	/	8.9	W=	.017564	/ 6.1 T= .795 / 2.8
LAT= 36.0	U=	.124	/	9.8	V=	1.069	/	9.3	W=	.027549	/ 6.6 T= 1.254 / 3.4
LAT= 42.0	U=	.379	/	11.1	V=	.619	/	10.1	W=	.033337	/ 6.9 T= 1.553 / 3.7
LAT= 48.0	U=	.666	/	11.5	V=	.435	/	.3	W=	.034641	/ 7.2 T= 1.639 / 4.0
LAT= 54.0	U=	.947	/	11.7	V=	.722	/	1.9	W=	.032038	/ 7.4 T= 1.532 / 4.2
LAT= 60.0	U=	1.177	/	11.8	V=	1.009	/	2.4	W=	.027009	/ 7.6 T= 1.311 / 4.3
LAT= 66.0	U=	1.207	/	11.8	V=	1.130	/	2.8	W=	.019440	/ 7.8 T= .950 / 4.4
LAT= 72.0	U=	1.162	/	11.9	V=	1.066	/	3.0	W=	.013675	/ 7.8 T= .659 / 4.4
LAT= 78.0	U=	.772	/	11.9	V=	.829	/	3.4	W=	.004000	/ 7.4 T= .218 / 4.2
LAT= 84.0	U=	.410	/	.4	V=	.578	/	4.2	W=	.000378	/ 11.2 T= .040 / 5.6
Z = 240.988 KM											
LAT= 0.0	U=	.652	/	5.1	V=	0.000	/	1.8	W=	.042348	/ 11.8 T= 1.639 / 9.3
LAT= 6.0	U=	.634	/	5.1	V=	.572	/	7.3	W=	.038769	/ 11.9 T= 1.524 / 9.4
LAT= 12.0	U=	.581	/	5.1	V=	1.044	/	7.4	W=	.029008	/ .1 T= 1.205 / 9.7
LAT= 18.0	U=	.497	/	5.2	V=	1.339	/	7.5	W=	.015845	/ .7 T= .775 / 10.4
LAT= 24.0	U=	.373	/	5.5	V=	1.415	/	7.7	W=	.008671	/ 3.3 T= .512 / .2
LAT= 30.0	U=	.223	/	6.3	V=	1.280	/	7.9	W=	.018832	/ 5.1 T= .763 / 1.9
LAT= 36.0	U=	.213	/	8.5	V=	.984	/	8.2	W=	.029296	/ 5.6 T= 1.150 / 2.6
LAT= 42.0	U=	.388	/	8.6	V=	.614	/	8.9	W=	.015685	/ 6.0 T= 1.424 / 3.0
LAT= 48.0	U=	.578	/	10.1	V=	.367	/	10.6	W=	.037582	/ 6.2 T= 1.519 / 3.2
LAT= 54.0	U=	.771	/	10.5	V=	.522	/	.5	W=	.035353	/ 6.4 T= 1.433 / 3.4
LAT= 60.0	U=	.956	/	10.7	V=	.766	/	1.2	W=	.030349	/ 6.6 T= 1.239 / 3.6
LAT= 66.0	U=	.901	/	10.7	V=	.885	/	1.6	W=	.022279	/ 6.8 T= .912 / 3.6
LAT= 72.0	U=	.959	/	10.8	V=	.845	/	1.8	W=	.015927	/ 6.9 T= .637 / 3.6
LAT= 78.0	U=	.631	/	10.7	V=	.647	/	2.2	W=	.005154	/ 6.5 T= .222 / 3.4
LAT= 84.0	U=	.321	/	11.2	V=	.421	/	2.9	W=	.000851	/ 8.1 T= .044 / 4.2
Z = 270.301 KM											
LAT= 0.0	U=	.504	/	4.3	V=	0.000	/	1.8	W=	.045100	/ 11.1 T= 1.476 / 8.9
LAT= 6.0	U=	.493	/	4.3	V=	.512	/	6.5	W=	.041157	/ 11.2 T= 1.375 / 9.0
LAT= 12.0	U=	.454	/	4.4	V=	.935	/	6.5	W=	.030556	/ 11.4 T= 1.096 / 9.4
LAT= 18.0	U=	.390	/	4.6	V=	1.201	/	6.7	W=	.016588	/ .1 T= .729 / 10.1
LAT= 24.0	U=	.303	/	5.0	V=	1.276	/	6.8	W=	.009386	/ 2.7 T= .531 / 11.9
LAT= 30.0	U=	.221	/	6.1	V=	1.168	/	7.1	W=	.020018	/ 4.4 T= .766 / 1.5
LAT= 36.0	U=	.270	/	7.8	V=	.919	/	7.4	W=	.031117	/ 5.0 T= 1.122 / 2.2
LAT= 42.0	U=	.430	/	8.6	V=	.622	/	8.0	W=	.038165	/ 5.3 T= 1.357 / 2.5
LAT= 48.0	U=	.575	/	9.1	V=	.361	/	9.5	W=	.040653	/ 5.6 T= 1.487 / 2.8
LAT= 54.0	U=	.714	/	9.4	V=	.445	/	11.5	W=	.038784	/ 5.8 T= 1.413 / 3.0
LAT= 60.0	U=	.860	/	9.7	V=	.659	/	.3	W=	.033741	/ 6.0 T= 1.229 / 3.1
LAT= 66.0	U=	.894	/	9.3	V=	.778	/	.6	W=	.025041	/ 6.1 T= .915 / 3.2
LAT= 72.0	U=	.871	/	9.3	V=	.752	/	.9	W=	.018051	/ 6.1 T= .644 / 3.1
LAT= 78.0	U=	.577	/	9.8	V=	.570	/	1.1	W=	.006047	/ 5.0 T= .235 / 2.9
LAT= 84.0	U=	.291	/	10.2	V=	.356	/	1.8	W=	.001653	/ 7.5 T= .056 / 3.5

Table B3. Amplitude and Phase for the (2,4) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1400$ K										
Z = 304.762 KM										
LAT= 0.0	U=	.423 / 3.6	V=	0.000 / 1.8	W=	.048049 / 10.7	T=	1.399 / 8.7		
LAT= 6.0	U=	.413 / 3.6	V=	.493 / 5.8	W=	.043763 / 10.8	T=	1.305 / 8.8		
LAT= 12.0	U=	.381 / 3.7	V=	.899 / 5.9	W=	.032348 / 11.0	T=	1.044 / 9.2		
LAT= 18.0	U=	.328 / 4.1	V=	1.154 / 6.0	W=	.017511 / 11.7	T=	.709 / 10.0		
LAT= 24.0	U=	.264 / 4.7	V=	1.228 / 6.2	W=	.009883 / 2.2	T=	.545 / 11.7		
LAT= 30.0	U=	.225 / 5.9	V=	1.130 / 6.5	W=	.020960 / 4.0	T=	.776 / 1.2		
LAT= 36.0	U=	.312 / 7.3	V=	.900 / 6.8	W=	.032742 / 4.5	T=	1.122 / 1.9		
LAT= 42.0	U=	.482 / 8.0	V=	.605 / 7.4	W=	.040412 / 4.9	T=	1.386 / 2.3		
LAT= 48.0	U=	.626 / 8.4	V=	.373 / 8.8	W=	.043380 / 5.2	T=	1.491 / 2.5		
LAT= 54.0	U=	.737 / 8.7	V=	.431 / 10.7	W=	.041768 / 5.4	T=	1.422 / 2.7		
LAT= 60.0	U=	.861 / 9.0	V=	.639 / 11.6	W=	.036609 / 5.5	T=	1.240 / 2.8		
LAT= 66.0	U=	.891 / 9.1	V=	.767 / 11.9	W=	.027246 / 5.7	T=	.928 / 2.9		
LAT= 72.0	U=	.870 / 9.1	V=	.749 / 11.9	W=	.019647 / 5.7	T=	.658 / 2.8		
LAT= 78.0	U=	.579 / 9.1	V=	.576 / 11.9	W=	.006559 / 5.7	T=	.247 / 2.7		
LAT= 84.0	U=	.296 / 9.4	V=	.354 / 11.0	W=	.002234 / 7.1	T=	.066 / 3.1		
Z = 336.754 KM										
LAT= 0.0	U=	.395 / 3.0	V=	0.000 / 1.8	W=	.050363 / 10.4	T=	1.373 / 8.6		
LAT= 6.0	U=	.386 / 3.1	V=	.497 / 5.4	W=	.045851 / 10.5	T=	1.281 / 8.7		
LAT= 12.0	U=	.354 / 3.3	V=	.904 / 5.5	W=	.033881 / 10.7	T=	1.027 / 9.1		
LAT= 18.0	U=	.304 / 3.7	V=	1.159 / 5.6	W=	.018371 / 11.3	T=	.704 / 9.9		
LAT= 24.0	U=	.250 / 4.4	V=	1.235 / 5.8	W=	.010101 / 1.9	T=	.556 / 11.6		
LAT= 30.0	U=	.238 / 5.7	V=	1.141 / 6.1	W=	.021448 / 3.7	T=	.790 / 1.1		
LAT= 36.0	U=	.350 / 7.0	V=	.916 / 6.4	W=	.033755 / 4.3	T=	1.134 / 1.8		
LAT= 42.0	U=	.535 / 7.6	V=	.625 / 7.0	W=	.041838 / 4.8	T=	1.400 / 2.2		
LAT= 48.0	U=	.687 / 8.0	V=	.391 / 8.4	W=	.045092 / 4.9	T=	1.510 / 2.4		
LAT= 54.0	U=	.793 / 8.3	V=	.444 / 10.3	W=	.043639 / 5.1	T=	1.443 / 2.6		
LAT= 60.0	U=	.908 / 8.6	V=	.659 / 11.1	W=	.038389 / 5.3	T=	1.261 / 2.7		
LAT= 66.0	U=	.932 / 8.7	V=	.796 / 11.5	W=	.028534 / 5.4	T=	.945 / 2.8		
LAT= 72.0	U=	.910 / 8.7	V=	.783 / 11.7	W=	.020506 / 5.4	T=	.672 / 2.7		
LAT= 78.0	U=	.604 / 8.7	V=	.605 / 11.9	W=	.006724 / 5.5	T=	.256 / 2.6		
LAT= 84.0	U=	.313 / 9.0	V=	.373 / 11.4	W=	.002606 / 6.8	T=	.072 / 2.9		
Z = 368.753 KM										
LAT= 0.0	U=	.394 / 2.7	V=	0.000 / 1.8	W=	.051618 / 10.2	T=	1.373 / 8.5		
LAT= 6.0	U=	.383 / 2.8	V=	.507 / 5.1	W=	.047010 / 10.3	T=	1.282 / 8.6		
LAT= 12.0	U=	.350 / 3.0	V=	.925 / 5.2	W=	.034793 / 10.5	T=	1.028 / 9.0		
LAT= 18.0	U=	.300 / 3.4	V=	1.187 / 5.4	W=	.018909 / 11.1	T=	.709 / 9.9		
LAT= 24.0	U=	.250 / 4.2	V=	1.267 / 5.6	W=	.009923 / 1.7	T=	.568 / 11.6		
LAT= 30.0	U=	.253 / 5.6	V=	1.173 / 5.8	W=	.021300 / 3.5	T=	.804 / 1.0		
LAT= 36.0	U=	.382 / 6.8	V=	.945 / 6.2	W=	.033843 / 4.1	T=	1.152 / 1.7		
LAT= 42.0	U=	.582 / 7.4	V=	.650 / 6.8	W=	.042050 / 4.4	T=	1.423 / 2.1		
LAT= 48.0	U=	.744 / 7.7	V=	.411 / 8.1	W=	.045382 / 4.7	T=	1.536 / 2.3		
LAT= 54.0	U=	.851 / 8.0	V=	.463 / 10.0	W=	.044032 / 5.0	T=	1.469 / 2.5		
LAT= 60.0	U=	.962 / 8.3	V=	.668 / 10.9	W=	.038801 / 5.1	T=	1.286 / 2.6		
LAT= 66.0	U=	.982 / 8.4	V=	.836 / 11.2	W=	.028763 / 5.3	T=	.965 / 2.7		
LAT= 72.0	U=	.958 / 8.4	V=	.823 / 11.4	W=	.020585 / 5.2	T=	.687 / 2.6		
LAT= 78.0	U=	.634 / 8.4	V=	.637 / 11.6	W=	.006589 / 5.4	T=	.264 / 2.5		
LAT= 84.0	U=	.331 / 8.7	V=	.395 / 11.1	W=	.002801 / 6.8	T=	.076 / 2.9		
Z = 400.753 KM										
LAT= 0.0	U=	.402 / 2.5	V=	0.000 / 1.8	W=	.051713 / 10.0	T=	1.389 / 8.5		
LAT= 6.0	U=	.391 / 2.6	V=	.520 / 5.0	W=	.047122 / 10.1	T=	1.296 / 8.6		
LAT= 12.0	U=	.357 / 2.8	V=	.948 / 5.1	W=	.034942 / 10.3	T=	1.041 / 9.0		
LAT= 18.0	U=	.305 / 3.3	V=	1.217 / 5.2	W=	.019009 / 10.9	T=	.718 / 9.8		
LAT= 24.0	U=	.256 / 4.1	V=	1.303 / 5.4	W=	.009308 / 1.4	T=	.580 / 11.6		
LAT= 30.0	U=	.266 / 5.6	V=	1.208 / 5.7	W=	.020451 / 3.4	T=	.820 / 1.0		
LAT= 36.0	U=	.407 / 6.7	V=	.976 / 6.1	W=	.032889 / 4.0	T=	1.174 / 1.7		
LAT= 42.0	U=	.618 / 7.3	V=	.672 / 6.7	W=	.040925 / 4.3	T=	1.451 / 2.1		
LAT= 48.0	U=	.787 / 7.6	V=	.427 / 8.0	W=	.044156 / 4.6	T=	1.565 / 2.3		
LAT= 54.0	U=	.898 / 7.9	V=	.480 / 9.9	W=	.042887 / 4.9	T=	1.497 / 2.5		
LAT= 60.0	U=	1.008 / 8.2	V=	.714 / 10.8	W=	.037819 / 5.0	T=	1.311 / 2.6		
LAT= 66.0	U=	1.025 / 8.3	V=	.870 / 11.1	W=	.027954 / 5.2	T=	.985 / 2.7		
LAT= 72.0	U=	.998 / 8.3	V=	.858 / 11.3	W=	.019940 / 5.1	T=	.702 / 2.6		
LAT= 78.0	U=	.659 / 8.3	V=	.663 / 11.5	W=	.006210 / 5.4	T=	.270 / 2.5		
LAT= 84.0	U=	.346 / 8.6	V=	.412 / 11.0	W=	.002844 / 6.8	T=	.078 / 2.8		

Table B4. Amplitude and Phase for the (2,5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200, \text{ and } 1400 \text{ K}$

Z = 100.017 KM										$T_0 = 600 \text{ K}$		
LAT= 0.0	U= 0.000	/	8.0	V= 2.543	/	5.0	W= .000001	/	.6	T= 0.000	/	9.9
LAT= 6.0	U= .121	/	8.8	V= 1.843	/	5.1	W= .006160	/	2.5	T= .487	/	12.0
LAT= 12.0	U= .424	/	8.3	V= .255	/	7.2	W= .009351	/	2.6	T= .729	/	12.0
LAT= 18.0	U= .889	/	8.1	V= 1.777	/	10.6	W= .008084	/	2.6	T= .608	/	.1
LAT= 24.0	U= 1.202	/	8.1	V= 2.798	/	10.8	W= .003027	/	3.0	T= .194	/	.6
LAT= 30.0	U= .989	/	8.2	V= 2.513	/	11.0	W= .003892	/	8.2	T= .357	/	5.6
LAT= 36.0	U= .281	/	10.6	V= 1.123	/	11.7	W= .009644	/	8.5	T= .790	/	5.9
LAT= 42.0	U= 1.451	/	1.4	V= 1.252	/	3.8	W= .012741	/	8.6	T= 1.000	/	6.0
LAT= 48.0	U= 2.968	/	1.6	V= 3.118	/	4.5	W= .012802	/	8.7	T= .975	/	6.1
LAT= 54.0	U= 4.124	/	1.7	V= 4.395	/	4.7	W= .010635	/	8.8	T= .789	/	6.2
LAT= 60.0	U= 4.629	/	1.8	V= 4.835	/	4.8	W= .007541	/	9.0	T= .546	/	6.3
LAT= 66.0	U= 4.438	/	1.9	V= 4.515	/	4.9	W= .004634	/	9.2	T= .327	/	6.5
LAT= 72.0	U= 3.683	/	2.0	V= 3.657	/	5.0	W= .002456	/	9.5	T= .169	/	6.8
LAT= 78.0	U= 2.669	/	2.0	V= 2.493	/	5.0	W= .001862	/	9.2	T= .128	/	6.5
LAT= 84.0	U= 1.268	/	2.0	V= 1.160	/	5.1	W= .000399	/	8.5	T= .028	/	5.8
Z = 103.521 KM												
LAT= 0.0	U= .001	/	6.1	V= 2.661	/	3.3	W= .000001	/	11.7	T= 0.000	/	9.1
LAT= 6.0	U= .142	/	7.0	V= 1.918	/	3.3	W= .006472	/	.8	T= .554	/	10.2
LAT= 12.0	U= .445	/	6.6	V= .222	/	5.0	W= .009856	/	.9	T= .841	/	10.2
LAT= 18.0	U= .893	/	6.4	V= 1.867	/	9.0	W= .006705	/	1.0	T= .727	/	10.3
LAT= 24.0	U= 1.199	/	6.3	V= 3.036	/	9.2	W= .003522	/	1.3	T= .262	/	10.5
LAT= 30.0	U= .986	/	6.3	V= 2.815	/	9.3	W= .003735	/	6.5	T= .362	/	4.2
LAT= 36.0	U= .088	/	8.1	V= 1.318	/	9.8	W= .009859	/	6.9	T= .900	/	4.4
LAT= 42.0	U= 1.486	/	.1	V= 1.155	/	2.3	W= .013292	/	7.1	T= 1.193	/	4.5
LAT= 48.0	U= 3.199	/	.2	V= 3.336	/	2.9	W= .013533	/	7.3	T= 1.205	/	4.6
LAT= 54.0	U= 4.594	/	.2	V= 4.943	/	3.1	W= .011366	/	7.5	T= 1.005	/	4.8
LAT= 60.0	U= 5.214	/	.3	V= 5.616	/	3.2	W= .008140	/	7.7	T= .717	/	5.0
LAT= 66.0	U= 5.229	/	.4	V= 5.384	/	3.3	W= .005052	/	7.9	T= .442	/	5.2
LAT= 72.0	U= 4.423	/	.4	V= 4.456	/	3.4	W= .002615	/	8.3	T= .226	/	5.6
LAT= 78.0	U= 3.361	/	.5	V= 3.060	/	3.5	W= .002235	/	8.0	T= .196	/	5.3
LAT= 84.0	U= 1.577	/	.5	V= 1.424	/	3.6	W= .000529	/	7.3	T= .045	/	4.6
Z = 107.177 KM												
LAT= 0.0	U= .001	/	4.1	V= 2.659	/	1.4	W= .000002	/	10.5	T= 0.000	/	7.6
LAT= 6.0	U= .165	/	5.1	V= 1.978	/	1.4	W= .006513	/	11.2	T= .649	/	8.4
LAT= 12.0	U= .450	/	4.7	V= .237	/	1.8	W= .010016	/	11.2	T= 1.000	/	8.5
LAT= 18.0	U= .846	/	4.4	V= 1.715	/	7.4	W= .008849	/	11.3	T= .894	/	8.5
LAT= 24.0	U= 1.125	/	4.3	V= 2.945	/	7.5	W= .003650	/	11.6	T= .382	/	8.5
LAT= 30.0	U= .975	/	4.0	V= 2.855	/	7.6	W= .003461	/	5.1	T= .324	/	2.8
LAT= 36.0	U= .318	/	2.3	V= 1.541	/	7.9	W= .009558	/	5.4	T= .951	/	2.8
LAT= 42.0	U= 1.291	/	11.0	V= .729	/	.7	W= .012935	/	5.6	T= 1.312	/	2.9
LAT= 48.0	U= 2.887	/	10.8	V= 2.912	/	1.5	W= .013146	/	5.8	T= 1.352	/	3.1
LAT= 54.0	U= 4.268	/	10.8	V= 4.542	/	1.7	W= .010997	/	6.0	T= 1.145	/	3.3
LAT= 60.0	U= 5.058	/	10.8	V= 5.386	/	1.8	W= .007837	/	6.2	T= .827	/	3.5
LAT= 66.0	U= 5.073	/	10.9	V= 5.269	/	1.9	W= .004827	/	6.5	T= .514	/	3.8
LAT= 72.0	U= 4.326	/	11.0	V= 4.428	/	2.0	W= .002335	/	7.0	T= .248	/	4.3
LAT= 78.0	U= 3.455	/	11.1	V= 3.055	/	2.1	W= .002331	/	6.6	T= .254	/	3.8
LAT= 84.0	U= 1.596	/	11.1	V= 1.380	/	2.2	W= .000596	/	6.1	T= .065	/	3.3
Z = 111.019 KM												
LAT= 0.0	U= .001	/	2.1	V= 2.640	/	11.7	W= .000002	/	9.2	T= 0.000	/	6.0
LAT= 6.0	U= .185	/	3.3	V= 2.015	/	11.7	W= .006190	/	9.6	T= .703	/	6.7
LAT= 12.0	U= .455	/	2.9	V= .438	/	11.4	W= .009500	/	9.7	T= 1.096	/	6.7
LAT= 18.0	U= .801	/	2.7	V= 1.380	/	5.9	W= .008448	/	9.7	T= 1.012	/	6.7
LAT= 24.0	U= 1.064	/	2.4	V= 2.609	/	6.0	W= .003562	/	9.7	T= .502	/	6.5
LAT= 30.0	U= 1.017	/	2.0	V= 2.709	/	6.0	W= .003057	/	4.0	T= .265	/	1.9
LAT= 36.0	U= .664	/	.7	V= 1.639	/	6.1	W= .008662	/	4.0	T= .914	/	1.4
LAT= 42.0	U= 1.124	/	10.3	V= .217	/	11.4	W= .012104	/	4.2	T= 1.311	/	1.5
LAT= 48.0	U= 2.363	/	9.7	V= 2.181	/	.2	W= .012365	/	4.3	T= 1.380	/	1.6
LAT= 54.0	U= 3.538	/	9.6	V= 3.736	/	.3	W= .010387	/	4.5	T= 1.186	/	1.8
LAT= 60.0	U= 4.267	/	9.6	V= 4.536	/	.5	W= .007446	/	4.7	T= .871	/	2.0
LAT= 66.0	U= 4.341	/	9.6	V= 4.530	/	.6	W= .004607	/	5.0	T= .550	/	2.3
LAT= 72.0	U= 3.716	/	9.7	V= 3.851	/	.7	W= .002155	/	5.4	T= .260	/	2.8
LAT= 78.0	U= 3.117	/	9.8	V= 2.715	/	.8	W= .002382	/	5.0	T= .290	/	2.2
LAT= 84.0	U= 1.414	/	9.8	V= 1.159	/	.9	W= .000599	/	4.5	T= .073	/	1.7

Table B4. Amplitude and Phase for the (2,5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 600 K

Z = 115.091 KM

LAT= 0.0	U= .002 / .4	V= 2.526 / 10.2	W= .000002 / 7.9	T= 0.000 / 4.6
LAT= 6.0	U= .199 / 1.6	V= 2.001 / 10.2	W= .005961 / 8.1	T= .712 / 5.0
LAT= 12.0	U= .447 / 1.4	V= .668 / 9.9	W= .009218 / 8.1	T= 1.123 / 5.0
LAT= 18.0	U= .738 / 1.1	V= .950 / 4.8	W= .008363 / 8.1	T= 1.072 / 5.0
LAT= 24.0	U= .971 / .8	V= 2.086 / 4.6	W= .003913 / 7.8	T= .609 / 4.7
LAT= 30.0	U= 1.006 / .4	V= 2.333 / 4.7	W= .002841 / 3.3	T= .260 / 1.5
LAT= 36.0	U= .848 / 11.4	V= 1.668 / 4.7	W= .008302 / 2.8	T= .824 / .1
LAT= 42.0	U= 1.033 / 9.7	V= .217 / 4.1	W= .011558 / 2.9	T= 1.225 / .1
LAT= 48.0	U= 1.830 / 8.8	V= 1.401 / 11.1	W= .012006 / 3.0	T= 1.322 / .2
LAT= 54.0	U= 2.708 / 8.5	V= 2.723 / 11.2	W= .010254 / 3.2	T= 1.162 / .4
LAT= 60.0	U= 3.310 / 8.5	V= 3.473 / 11.3	W= .007507 / 3.4	T= .875 / .6
LAT= 66.0	U= 3.427 / 8.5	V= 3.573 / 11.4	W= .004734 / 3.6	T= .569 / .8
LAT= 72.0	U= 2.956 / 8.6	V= 3.110 / 11.6	W= .002260 / 4.0	T= .276 / 1.3
LAT= 78.0	U= 2.607 / 8.6	V= 2.217 / 11.7	W= .002558 / 3.5	T= .307 / .6
LAT= 84.0	U= 1.164 / 8.7	V= .920 / 11.9	W= .000671 / 2.9	T= .077 / 11.9

Z = 119.451 KM

LAT= 0.0	U= .002 / 11.0	V= 2.376 / 9.0	W= .000002 / 6.6	T= 0.000 / 3.6
LAT= 6.0	U= .208 / .3	V= 1.944 / 8.9	W= .006124 / 6.8	T= .696 / 3.6
LAT= 12.0	U= .437 / .0	V= .833 / 8.7	W= .009517 / 6.8	T= 1.115 / 3.6
LAT= 18.0	U= .683 / 11.7	V= .575 / 3.8	W= .009083 / 6.7	T= 1.105 / 3.5
LAT= 24.0	U= .886 / 11.4	V= 1.592 / 3.5	W= .005068 / 6.3	T= .715 / 3.2
LAT= 30.0	U= .956 / 11.0	V= 1.932 / 3.4	W= .003047 / 3.1	T= .337 / 1.1
LAT= 36.0	U= .889 / 10.2	V= 1.450 / 3.5	W= .007966 / 1.9	T= .718 / 11.2
LAT= 42.0	U= .952 / 9.0	V= .480 / 3.1	W= .011432 / 1.8	T= 1.098 / 10.9
LAT= 48.0	U= 1.424 / 8.0	V= .818 / 10.3	W= .012212 / 1.9	T= 1.219 / 11.0
LAT= 54.0	U= 2.044 / 7.6	V= 1.839 / 10.2	W= .010722 / 2.0	T= 1.103 / 11.1
LAT= 60.0	U= 2.518 / 7.5	V= 2.574 / 10.3	W= .008098 / 2.2	T= .857 / 11.3
LAT= 66.0	U= 2.652 / 7.5	V= 2.743 / 10.4	W= .005254 / 2.4	T= .576 / 11.5
LAT= 72.0	U= 2.312 / 7.6	V= 2.450 / 10.6	W= .002614 / 2.8	T= .296 / 12.0
LAT= 78.0	U= 2.129 / 7.6	V= 1.783 / 10.7	W= .002818 / 2.1	T= .300 / 11.2
LAT= 84.0	U= .941 / 7.6	V= .742 / 11.0	W= .000767 / 1.5	T= .074 / 10.4

Z = 124.175 KM

LAT= 0.0	U= .001 / 10.0	V= 2.226 / 7.8	W= .000001 / 5.1	T= 0.000 / 2.9
LAT= 6.0	U= .209 / 11.1	V= 1.862 / 7.8	W= .006628 / 5.7	T= .664 / 2.5
LAT= 12.0	U= .423 / 10.9	V= .970 / 7.7	W= .010615 / 5.6	T= 1.083 / 2.4
LAT= 18.0	U= .640 / 10.6	V= .316 / 3.2	W= .010519 / 5.5	T= 1.119 / 2.3
LAT= 24.0	U= .820 / 10.2	V= 1.269 / 2.4	W= .006835 / 5.1	T= .609 / 2.0
LAT= 30.0	U= .899 / 9.8	V= 1.532 / 2.4	W= .003778 / 2.9	T= .440 / .6
LAT= 36.0	U= .862 / 9.2	V= 1.340 / 2.3	W= .007715 / 1.2	T= .614 / 10.6
LAT= 42.0	U= .866 / 8.2	V= .604 / 2.0	W= .011500 / 1.0	T= .947 / 10.1
LAT= 48.0	U= 1.143 / 7.2	V= .471 / 9.8	W= .012752 / 1.0	T= 1.089 / 10.0
LAT= 54.0	U= 1.583 / 6.7	V= 1.333 / 9.3	W= .011600 / 1.0	T= 1.021 / 10.1
LAT= 60.0	U= 1.956 / 6.6	V= 1.925 / 9.4	W= .009101 / 1.2	T= .825 / 10.3
LAT= 66.0	U= 2.087 / 6.6	V= 2.124 / 9.5	W= .006176 / 1.4	T= .575 / 10.5
LAT= 72.0	U= 1.837 / 6.7	V= 1.947 / 9.7	W= .003178 / 1.8	T= .309 / 10.9
LAT= 78.0	U= 1.733 / 6.6	V= 1.452 / 9.8	W= .003185 / 1.0	T= .281 / 10.0
LAT= 84.0	U= .764 / 6.7	V= .627 / 10.2	W= .000829 / .3	T= .063 / 9.2

Z = 129.367 KM

LAT= 0.0	U= .001 / 9.4	V= 2.090 / 6.8	W= .000001 / 3.6	T= 0.000 / 2.4
LAT= 6.0	U= .202 / 10.1	V= 1.775 / 6.8	W= .007330 / 4.7	T= .624 / 1.5
LAT= 12.0	U= .404 / 9.9	V= .956 / 6.7	W= .011969 / 4.7	T= 1.036 / 1.5
LAT= 18.0	U= .604 / 9.5	V= .166 / 3.2	W= .012382 / 4.6	T= 1.113 / 1.4
LAT= 24.0	U= .771 / 9.2	V= .933 / 1.4	W= .008926 / 4.2	T= .877 / 1.1
LAT= 30.0	U= .848 / 8.3	V= 1.329 / 1.3	W= .004923 / 2.7	T= .530 / .2
LAT= 36.0	U= .819 / 8.3	V= 1.108 / 1.3	W= .007430 / .7	T= .528 / 10.3
LAT= 42.0	U= .795 / 7.4	V= .634 / 1.0	W= .011549 / .2	T= .796 / 9.5
LAT= 48.0	U= .961 / 6.5	V= .319 / 9.6	W= .013388 / .2	T= .954 / 9.3
LAT= 54.0	U= 1.283 / 6.0	V= .933 / 8.6	W= .012674 / .3	T= .933 / 9.4
LAT= 60.0	U= 1.577 / 5.8	V= 1.472 / 8.6	W= .010353 / .4	T= .736 / 9.5
LAT= 66.0	U= 1.689 / 5.8	V= 1.638 / 8.7	W= .007280 / .6	T= .571 / 9.6
LAT= 72.0	U= 1.496 / 5.9	V= 1.574 / 8.8	W= .003910 / 1.0	T= .317 / 10.0
LAT= 78.0	U= 1.413 / 5.7	V= 1.212 / 9.0	W= .003686 / .0	T= .263 / 9.0
LAT= 84.0	U= .625 / 5.9	V= .551 / 9.5	W= .000854 / 11.2	T= .050 / 8.3

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

Z = 135.169 KM									
T ₀ = 800 K									
LAT = 0.0	U = .001 / 9.0	V = 1.985 / 5.9	W = .000002 / 2.5	T = 0.000 / 2.1					
LAT = 6.0	U = .192 / 9.2	V = 1.706 / 5.9	W = .008135 / 3.9	T = .584 / .8					
LAT = 12.0	U = .384 / 9.0	V = .978 / 5.9	W = .013497 / 3.9	T = .985 / .7					
LAT = 18.0	U = .577 / 8.6	V = .130 / 4.0	W = .014430 / 3.8	T = 1.055 / .7					
LAT = 24.0	U = .738 / 8.3	V = .735 / .5	W = .011122 / 3.5	T = .920 / .5					
LAT = 30.0	U = .815 / 7.9	V = 1.138 / .4	W = .006282 / 2.5	T = .600 / 11.8					
LAT = 36.0	U = .795 / 7.4	V = 1.090 / .3	W = .007068 / .3	T = .470 / 10.2					
LAT = 42.0	U = .766 / 6.6	V = .684 / .1	W = .011452 / 11.6	T = .661 / 9.0					
LAT = 48.0	U = .877 / 5.8	V = .311 / 9.9	W = .013943 / 11.5	T = .829 / 8.7					
LAT = 54.0	U = 1.114 / 5.2	V = .726 / 8.1	W = .013740 / 11.6	T = .848 / 8.7					
LAT = 60.0	U = 1.345 / 5.0	V = 1.163 / 7.9	W = .011650 / 11.8	T = .746 / 8.8					
LAT = 66.0	U = 1.430 / 5.0	V = 1.367 / 7.9	W = .008517 / 11.9	T = .562 / 8.9					
LAT = 72.0	U = 1.263 / 5.1	V = 1.512 / 8.0	W = .004729 / .3	T = .322 / 9.3					
LAT = 78.0	U = 1.178 / 4.8	V = 1.024 / 8.2	W = .004254 / 11.2	T = .252 / 8.1					
LAT = 84.0	U = .526 / 5.1	V = .500 / 8.8	W = .000853 / 10.2	T = .039 / 7.5					
Z = 141.772 KM									
LAT = 0.0	U = .001 / 8.9	V = 1.918 / 5.1	W = .000002 / 1.8	T = 0.000 / 1.8					
LAT = 6.0	U = .181 / 8.4	V = 1.666 / 5.1	W = .009044 / 3.2	T = .549 / .1					
LAT = 12.0	U = .368 / 8.1	V = 1.004 / 5.0	W = .015170 / 3.2	T = .941 / .1					
LAT = 18.0	U = .559 / 7.8	V = .182 / 4.3	W = .016584 / 3.1	T = 1.075 / 12.0					
LAT = 24.0	U = .719 / 7.4	V = .586 / 11.6	W = .013321 / 2.9	T = .944 / 11.9					
LAT = 30.0	U = .801 / 7.1	V = 1.001 / 11.5	W = .007710 / 2.2	T = .648 / 11.4					
LAT = 36.0	U = .796 / 6.6	V = 1.022 / 11.4	W = .006659 / .0	T = .435 / 10.1					
LAT = 42.0	U = .779 / 5.9	V = .721 / 11.1	W = .011196 / 11.1	T = .546 / 8.7					
LAT = 48.0	U = .863 / 5.1	V = .370 / 9.7	W = .014352 / 11.0	T = .717 / 8.2					
LAT = 54.0	U = 1.041 / 4.6	V = .578 / 7.6	W = .014683 / 11.0	T = .770 / 8.2					
LAT = 60.0	U = 1.220 / 4.4	V = .951 / 7.2	W = .012849 / 11.2	T = .704 / 8.2					
LAT = 66.0	U = 1.275 / 4.3	V = 1.154 / 7.2	W = .009701 / 11.3	T = .550 / 8.3					
LAT = 72.0	U = 1.114 / 4.4	V = 1.138 / 7.3	W = .005551 / 11.7	T = .323 / 8.6					
LAT = 78.0	U = 1.023 / 4.0	V = .909 / 7.4	W = .004787 / 10.6	T = .244 / 7.5					
LAT = 84.0	U = .460 / 4.3	V = .468 / 8.0	W = .000838 / 9.4	T = .033 / 6.9					
Z = 149.425 KM									
LAT = 0.0	U = .001 / 8.7	V = 1.894 / 4.3	W = .000003 / 1.5	T = 0.000 / 1.6					
LAT = 6.0	U = .172 / 7.5	V = 1.661 / 4.3	W = .010107 / 2.5	T = .521 / 11.5					
LAT = 12.0	U = .356 / 7.3	V = 1.047 / 4.3	W = .017054 / 2.5	T = .904 / 11.5					
LAT = 18.0	U = .546 / 7.0	V = .260 / 4.0	W = .018878 / 2.4	T = 1.054 / 11.5					
LAT = 24.0	U = .707 / 6.7	V = .464 / 10.7	W = .015531 / 2.4	T = .955 / 11.4					
LAT = 30.0	U = .795 / 6.4	V = .903 / 10.6	W = .009159 / 1.9	T = .660 / 11.1					
LAT = 36.0	U = .809 / 5.9	V = .687 / 10.6	W = .006270 / 11.8	T = .417 / 10.1					
LAT = 42.0	U = .808 / 5.3	V = .769 / 10.3	W = .010856 / 10.6	T = .448 / 8.4					
LAT = 48.0	U = .876 / 4.6	V = .450 / 9.4	W = .014672 / 10.4	T = .617 / 7.8					
LAT = 54.0	U = 1.006 / 4.1	V = .493 / 7.4	W = .015538 / 10.5	T = .607 / 7.7					
LAT = 60.0	U = 1.140 / 3.8	V = .749 / 6.7	W = .013962 / 10.6	T = .660 / 7.7					
LAT = 66.0	U = 1.169 / 3.7	V = 1.021 / 6.6	W = .010809 / 10.8	T = .532 / 7.8					
LAT = 72.0	U = 1.008 / 3.8	V = 1.014 / 6.6	W = .006346 / 11.2	T = .321 / 8.1					
LAT = 78.0	U = .917 / 3.3	V = .832 / 6.7	W = .005217 / 10.0	T = .236 / 6.9					
LAT = 84.0	U = .417 / 3.6	V = .447 / 7.2	W = .000792 / 8.9	T = .030 / 6.6					
Z = 158.420 KM									
LAT = 0.0	U = .001 / 8.5	V = 1.914 / 3.6	W = .000003 / 1.3	T = 0.000 / 1.3					
LAT = 6.0	U = .169 / 6.6	V = 1.644 / 3.6	W = .011310 / 2.0	T = .501 / 11.0					
LAT = 12.0	U = .351 / 6.4	V = 1.106 / 3.6	W = .019126 / 2.0	T = .876 / 11.1					
LAT = 18.0	U = .539 / 6.3	V = .340 / 3.7	W = .021297 / 2.0	T = 1.035 / 11.1					
LAT = 24.0	U = .596 / 6.1	V = .372 / 9.8	W = .017746 / 1.9	T = .958 / 11.1					
LAT = 30.0	U = .790 / 5.8	V = .842 / 9.8	W = .010589 / 1.6	T = .702 / 10.9					
LAT = 36.0	U = .818 / 5.4	V = .943 / 9.2	W = .005935 / 11.6	T = .412 / 10.1					
LAT = 42.0	U = .821 / 4.8	V = .831 / 9.6	W = .010522 / 10.1	T = .368 / 8.3					
LAT = 48.0	U = .862 / 4.2	V = .543 / 9.0	W = .015025 / 9.9	T = .531 / 7.5					
LAT = 54.0	U = .949 / 3.7	V = .458 / 7.3	W = .016441 / 10.0	T = .631 / 7.3					
LAT = 60.0	U = 1.050 / 3.4	V = .652 / 6.3	W = .015122 / 10.1	T = .618 / 7.3					
LAT = 66.0	U = 1.065 / 3.1	V = .875 / 6.1	W = .011949 / 10.3	T = .512 / 7.3					
LAT = 72.0	U = .916 / 3.2	V = .909 / 6.0	W = .007151 / 10.7	T = .315 / 7.6					
LAT = 78.0	U = .822 / 2.6	V = .765 / 6.1	W = .005552 / 9.5	T = .225 / 6.5					
LAT = 84.0	U = .383 / 3.0	V = .435 / 6.6	W = .000693 / 8.7	T = .029 / 6.4					

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

Z = 181.310 KM										T ₀ = 600 K	
LAT= 0.0	U= 0.000 / 8.0	V= 2.056 / 2.5	W= .000005 / 1.0	T= 0.000 / 1.0							
LAT= 6.0	U= .186 / 5.1	V= 1.837 / 2.5	W= .013526 / 1.1	T= .483 / 10.4							
LAT= 12.0	U= .374 / 5.0	V= 1.248 / 2.6	W= .022869 / 1.1	T= .848 / 10.5							
LAT= 18.0	U= .558 / 5.0	V= .473 / 3.0	W= .025523 / 1.2	T= 1.016 / 10.5							
LAT= 24.0	U= .713 / 4.9	V= .319 / 7.9	W= .021444 / 1.2	T= .964 / 10.6							
LAT= 30.0	U= .805 / 4.8	V= .848 / 8.4	W= .012854 / 1.0	T= .731 / 10.5							
LAT= 36.0	U= .833 / 4.5	V= 1.078 / 8.5	W= .005339 / 11.3	T= .425 / 10.1							
LAT= 42.0	U= .809 / 4.1	V= 1.011 / 8.5	W= .010239 / 9.1	T= .269 / 8.3							
LAT= 48.0	U= .787 / 3.5	V= .750 / 8.2	W= .016177 / 8.9	T= .411 / 7.0							
LAT= 54.0	U= .804 / 2.9	V= .499 / 7.3	W= .018064 / 9.0	T= .537 / 6.7							
LAT= 60.0	U= .869 / 2.5	V= .519 / 5.8	W= .017826 / 9.2	T= .556 / 6.7							
LAT= 66.0	U= .888 / 2.2	V= .683 / 5.2	W= .014500 / 9.4	T= .479 / 6.7							
LAT= 72.0	U= .784 / 2.1	V= .755 / 5.0	W= .008908 / 9.8	T= .306 / 7.0							
LAT= 78.0	U= .675 / 1.5	V= .665 / 5.0	W= .006133 / 8.5	T= .206 / 5.9							
LAT= 84.0	U= .337 / 1.9	V= .428 / 5.5	W= .000442 / 9.0	T= .032 / 6.4							
Z = 209.865 KM											
LAT= 0.0	U= 0.000 / 7.7	V= 2.224 / 1.8	W= .000006 / .7	T= 0.000 / .9							
LAT= 6.0	U= .216 / 4.1	V= 1.993 / 1.9	W= .014618 / .5	T= .486 / 10.1							
LAT= 12.0	U= .426 / 4.2	V= 1.371 / 2.0	W= .024679 / .5	T= .855 / 10.2							
LAT= 18.0	U= .618 / 4.2	V= .558 / 2.5	W= .027479 / .6	T= 1.029 / 10.3							
LAT= 24.0	U= .774 / 4.2	V= .370 / 6.7	W= .022977 / .6	T= .986 / 10.4							
LAT= 30.0	U= .860 / 4.2	V= .942 / 7.6	W= .013486 / .4	T= .761 / 10.4							
LAT= 36.0	U= .867 / 4.0	V= 1.231 / 7.8	W= .004836 / 10.6	T= .446 / 10.0							
LAT= 42.0	U= .804 / 3.7	V= 1.200 / 7.9	W= .011020 / 8.4	T= .235 / 8.4							
LAT= 48.0	U= .727 / 3.1	V= .932 / 7.8	W= .017876 / 8.2	T= .357 / 6.7							
LAT= 54.0	U= .705 / 2.4	V= .586 / 7.2	W= .020886 / 8.4	T= .500 / 6.4							
LAT= 60.0	U= .774 / 1.8	V= .443 / 5.7	W= .020217 / 8.6	T= .535 / 6.4							
LAT= 66.0	U= .822 / 1.4	V= .590 / 4.6	W= .016625 / 8.7	T= .471 / 6.4							
LAT= 72.0	U= .755 / 1.4	V= .701 / 4.2	W= .009985 / 9.2	T= .306 / 6.7							
LAT= 78.0	U= .638 / .6	V= .636 / 4.2	W= .006537 / 7.8	T= .197 / 5.6							
LAT= 84.0	U= .325 / 1.2	V= .441 / 4.9	W= .000322 / 10.1	T= .036 / 6.4							
Z = 240.988 KM											
LAT= 0.0	U= 0.000 / 7.6	V= 2.341 / 1.5	W= .000007 / .5	T= 0.000 / .8							
LAT= 6.0	U= .243 / 3.7	V= 2.100 / 1.6	W= .014741 / .0	T= .497 / 10.0							
LAT= 12.0	U= .473 / 3.8	V= 1.452 / 1.7	W= .024852 / .1	T= .875 / 10.1							
LAT= 18.0	U= .678 / 3.8	V= .605 / 2.3	W= .027545 / .1	T= 1.055 / 10.2							
LAT= 24.0	U= .836 / 3.9	V= .421 / 6.3	W= .022731 / .1	T= 1.014 / 10.3							
LAT= 30.0	U= .916 / 3.9	V= 1.029 / 7.2	W= .012825 / 11.9	T= .788 / 10.3							
LAT= 36.0	U= .906 / 3.8	V= 1.354 / 7.5	W= .005182 / 9.6	T= .466 / 10.0							
LAT= 42.0	U= .813 / 3.5	V= 1.337 / 7.6	W= .012869 / 7.8	T= .228 / 8.5							
LAT= 48.0	U= .701 / 2.9	V= 1.052 / 7.5	W= .019856 / 7.8	T= .343 / 6.6							
LAT= 54.0	U= .664 / 2.1	V= .653 / 7.1	W= .022676 / 7.9	T= .497 / 6.2							
LAT= 60.0	U= .746 / 1.5	V= .420 / 5.6	W= .021758 / 8.2	T= .538 / 6.2							
LAT= 66.0	U= .820 / 1.0	V= .562 / 4.2	W= .017662 / 8.3	T= .478 / 6.2							
LAT= 72.0	U= .772 / 1.0	V= .703 / 3.9	W= .010511 / 8.8	T= .312 / 6.6							
LAT= 78.0	U= .652 / .1	V= .644 / 3.8	W= .006753 / 7.2	T= .197 / 5.5							
LAT= 84.0	U= .331 / .8	V= .453 / 4.6	W= .000308 / 11.6	T= .038 / 6.4							
Z = 272.801 KM											
LAT= 0.0	U= 0.000 / 7.5	V= 2.419 / 1.4	W= .000007 / .3	T= 0.000 / .8							
LAT= 6.0	U= .262 / 3.5	V= 2.172 / 1.4	W= .014390 / 11.7	T= .510 / 10.0							
LAT= 12.0	U= .508 / 3.6	V= 1.504 / 1.6	W= .024226 / 11.7	T= .899 / 10.1							
LAT= 18.0	U= .722 / 3.7	V= .633 / 2.2	W= .026709 / 11.7	T= 1.085 / 10.2							
LAT= 24.0	U= .884 / 3.7	V= .454 / 6.1	W= .021707 / 11.7	T= 1.044 / 10.2							
LAT= 30.0	U= .960 / 3.8	V= 1.088 / 7.0	W= .011912 / 11.3	T= .812 / 10.3							
LAT= 36.0	U= .940 / 3.7	V= 1.435 / 7.3	W= .007086 / 8.7	T= .482 / 10.0							
LAT= 42.0	U= .828 / 3.4	V= 1.424 / 7.4	W= .015355 / 7.5	T= .231 / 8.5							
LAT= 48.0	U= .695 / 2.8	V= 1.126 / 7.4	W= .021915 / 7.5	T= .345 / 6.6							
LAT= 54.0	U= .651 / 1.9	V= .697 / 7.1	W= .024093 / 7.6	T= .505 / 6.2							
LAT= 60.0	U= .744 / 1.3	V= .417 / 5.6	W= .022636 / 7.9	T= .550 / 6.2							
LAT= 66.0	U= .834 / .8	V= .558 / 4.1	W= .018384 / 8.1	T= .490 / 6.2							
LAT= 72.0	U= .794 / .8	V= .719 / 3.7	W= .010592 / 8.5	T= .321 / 6.5							
LAT= 78.0	U= .671 / 11.9	V= .659 / 3.6	W= .007000 / 6.7	T= .201 / 5.5							
LAT= 84.0	U= .340 / .7	V= .461 / 4.5	W= .000428 / 1.0	T= .040 / 6.4							

Table B4. Amplitude and Phase for the (2,5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 600$ K										
Z = 304.752 KM										
LAT= 0.0	U= 0.000	7.5	V= 2.479	1.3	W= .000008	.1	T= 0.000	.8		
LAT= 6.0	U= .275	3.4	V= 2.226	1.3	W= .013938	11.3	T= .525	10.0		
LAT= 12.0	U= .532	3.5	V= 1.514	1.5	W= .023470	11.3	T= .925	10.0		
LAT= 18.0	U= .754	3.6	V= .863	2.2	W= .025833	11.3	T= 1.117	10.1		
LAT= 24.0	U= .919	3.7	V= .474	6.0	W= .020920	11.1	T= 1.075	10.2		
LAT= 30.0	U= .993	3.7	V= 1.129	7.0	W= .012022	10.4	T= .837	10.3		
LAT= 36.0	U= .967	3.6	V= 1.400	7.2	W= .010263	8.2	T= .497	10.0		
LAT= 42.0	U= .844	3.3	V= 1.402	7.4	W= .018235	7.3	T= .237	8.5		
LAT= 48.0	U= .699	2.7	V= 1.174	7.4	W= .024046	7.2	T= .353	6.6		
LAT= 54.0	U= .651	1.9	V= .726	7.1	W= .025333	7.4	T= .517	6.2		
LAT= 60.0	U= .750	1.2	V= .421	5.6	W= .023177	7.6	T= .564	6.2		
LAT= 66.0	U= .850	.7	V= .562	4.0	W= .018491	7.8	T= .503	6.2		
LAT= 72.0	U= .815	.7	V= .736	3.6	W= .010424	8.2	T= .329	6.5		
LAT= 78.0	U= .668	11.8	V= .675	3.5	W= .007353	6.3	T= .200	5.5		
LAT= 84.0	U= .347	.6	V= .468	4.5	W= .000679	1.8	T= .041	6.4		
Z = 331.754 KM										
LAT= 0.0	U= 0.000	7.4	V= 2.531	1.3	W= .000009	11.9	T= 0.000	.8		
LAT= 6.0	U= .284	3.4	V= 2.274	1.3	W= .013701	10.8	T= .539	10.0		
LAT= 12.0	U= .550	3.4	V= 1.579	1.5	W= .023175	10.8	T= .950	10.0		
LAT= 18.0	U= .777	3.5	V= .609	2.2	W= .025739	10.7	T= 1.148	10.1		
LAT= 24.0	U= .945	3.6	V= .440	6.0	W= .021381	10.5	T= 1.105	10.2		
LAT= 30.0	U= 1.021	3.7	V= 1.161	6.9	W= .014136	9.6	T= .861	10.3		
LAT= 36.0	U= .990	3.6	V= 1.503	7.2	W= .014268	7.9	T= .511	10.0		
LAT= 42.0	U= .860	3.3	V= 1.505	7.4	W= .021417	7.2	T= .243	8.5		
LAT= 48.0	U= .707	2.7	V= 1.200	7.4	W= .026301	7.0	T= .361	6.6		
LAT= 54.0	U= .657	1.8	V= .748	7.1	W= .026583	7.1	T= .530	6.2		
LAT= 60.0	U= .761	1.1	V= .428	5.6	W= .023641	7.4	T= .579	6.2		
LAT= 66.0	U= .867	.7	V= .571	4.0	W= .018442	7.5	T= .517	6.2		
LAT= 72.0	U= .833	.7	V= .752	3.5	W= .010174	7.9	T= .339	6.5		
LAT= 78.0	U= .703	11.7	V= .669	3.5	W= .007868	6.0	T= .211	5.5		
LAT= 84.0	U= .355	.5	V= .475	4.5	W= .001007	2.2	T= .042	6.4		
Z = 368.753 KM										
LAT= 0.0	U= 0.000	7.4	V= 2.592	1.3	W= .000010	11.8	T= 0.000	.8		
LAT= 6.0	U= .292	3.3	V= 2.320	1.3	W= .013920	10.4	T= .553	10.0		
LAT= 12.0	U= .564	3.4	V= 1.611	1.5	W= .023808	10.3	T= .975	10.0		
LAT= 18.0	U= .797	3.5	V= .683	2.1	W= .027064	10.2	T= 1.177	10.1		
LAT= 24.0	U= .968	3.6	V= .502	6.0	W= .023757	9.9	T= 1.133	10.2		
LAT= 30.0	U= 1.044	3.7	V= 1.188	6.9	W= .018215	9.1	T= .882	10.3		
LAT= 36.0	U= 1.011	3.6	V= 1.569	7.2	W= .018826	7.8	T= .524	10.0		
LAT= 42.0	U= .877	3.3	V= 1.561	7.3	W= .024797	7.1	T= .249	8.5		
LAT= 48.0	U= .718	2.7	V= 1.239	7.4	W= .028650	6.9	T= .370	6.6		
LAT= 54.0	U= .666	1.8	V= .766	7.1	W= .027903	6.9	T= .543	6.2		
LAT= 60.0	U= .775	1.1	V= .435	5.6	W= .024154	7.1	T= .594	6.2		
LAT= 66.0	U= .884	.6	V= .580	4.0	W= .018386	7.3	T= .529	6.2		
LAT= 72.0	U= .850	.7	V= .767	3.5	W= .009566	7.5	T= .347	6.5		
LAT= 78.0	U= .717	11.7	V= .703	3.5	W= .008548	5.6	T= .217	5.5		
LAT= 84.0	U= .362	.5	V= .483	4.5	W= .001379	2.4	T= .044	6.4		
Z = 400.753 KM										
LAT= 0.0	U= 0.000	7.4	V= 2.631	1.2	W= .000012	11.7	T= 0.000	.8		
LAT= 6.0	U= .298	3.3	V= 2.365	1.3	W= .014718	9.9	T= .565	10.0		
LAT= 12.0	U= .576	3.4	V= 1.643	1.5	W= .025580	9.9	T= .996	10.0		
LAT= 18.0	U= .814	3.5	V= .697	2.1	W= .030018	9.7	T= 1.203	10.1		
LAT= 24.0	U= .989	3.6	V= .513	6.0	W= .028022	9.4	T= 1.159	10.2		
LAT= 30.0	U= 1.065	3.6	V= 1.213	6.9	W= .023613	8.7	T= .903	10.3		
LAT= 36.0	U= 1.032	3.6	V= 1.601	7.2	W= .023681	7.6	T= .536	10.0		
LAT= 42.0	U= .893	3.3	V= 1.595	7.3	W= .028153	7.0	T= .254	8.5		
LAT= 48.0	U= .732	2.7	V= 1.266	7.4	W= .030891	6.7	T= .378	6.6		
LAT= 54.0	U= .677	1.8	V= .783	7.1	W= .029172	6.7	T= .557	6.2		
LAT= 60.0	U= .789	1.1	V= .442	5.6	W= .024684	6.8	T= .607	6.2		
LAT= 66.0	U= .901	.6	V= .590	4.0	W= .018360	6.9	T= .542	6.2		
LAT= 72.0	U= .867	.7	V= .782	3.5	W= .009873	7.2	T= .355	6.5		
LAT= 78.0	U= .732	11.7	V= .717	3.5	W= .009341	5.3	T= .222	5.5		
LAT= 84.0	U= .369	.5	V= .451	4.5	W= .001774	2.6	T= .045	6.4		

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

Z = 100.017 KM										$T_0 = 800$ K		
LAT= 0.0	U= 0.000	/	7.9	V= 2.366	/	4.9	W= 0.000000	/	.3	T= 0.000	/	9.5
LAT= 6.0	U= .094	/	8.8	V= 1.718	/	5.0	W= .005691	/	2.5	T= .487	/	11.9
LAT= 12.0	U= .367	/	8.2	V= .185	/	6.7	W= .008647	/	2.6	T= .732	/	11.9
LAT= 18.0	U= .802	/	8.0	V= 1.635	/	10.7	W= .007486	/	2.6	T= .617	/	12.0
LAT= 24.0	U= 1.110	/	7.9	V= 2.611	/	10.8	W= .002768	/	2.8	T= .200	/	.1
LAT= 30.0	U= .931	/	8.0	V= 2.373	/	11.0	W= .003540	/	8.4	T= .335	/	5.8
LAT= 36.0	U= .159	/	9.8	V= 1.053	/	11.4	W= .008971	/	8.5	T= .777	/	5.9
LAT= 42.0	U= 1.277	/	1.6	V= 1.044	/	4.0	W= .011946	/	8.6	T= 1.000	/	6.0
LAT= 48.0	U= 2.734	/	1.7	V= 2.855	/	4.6	W= .012095	/	8.7	T= .986	/	6.0
LAT= 54.0	U= 3.875	/	1.8	V= 4.122	/	4.7	W= .010138	/	8.8	T= .807	/	6.1
LAT= 60.0	U= 4.407	/	1.9	V= 4.604	/	4.8	W= .007260	/	8.9	T= .566	/	6.2
LAT= 66.0	U= 4.281	/	1.9	V= 4.349	/	4.9	W= .004520	/	9.1	T= .345	/	6.4
LAT= 72.0	U= 3.581	/	2.0	V= 3.555	/	5.0	W= .002371	/	9.3	T= .176	/	6.6
LAT= 78.0	U= 2.652	/	2.0	V= 2.441	/	5.0	W= .002010	/	9.1	T= .150	/	6.4
LAT= 84.0	U= 1.247	/	2.0	V= 1.122	/	5.1	W= .000433	/	8.7	T= .033	/	6.0
Z = 103.521 KM												
LAT= 0.0	U= .001	/	6.1	V= 2.448	/	3.2	W= .000001	/	11.5	T= 0.000	/	8.7
LAT= 6.0	U= .111	/	6.9	V= 1.797	/	3.2	W= .005724	/	.8	T= .533	/	10.1
LAT= 12.0	U= .382	/	6.4	V= .188	/	4.0	W= .008777	/	.8	T= .814	/	10.1
LAT= 18.0	U= .800	/	6.3	V= 1.635	/	9.1	W= .007770	/	.8	T= .715	/	10.1
LAT= 24.0	U= 1.108	/	6.2	V= 2.731	/	9.1	W= .003166	/	.9	T= .278	/	10.1
LAT= 30.0	U= .962	/	6.1	V= 2.603	/	9.2	W= .003113	/	6.8	T= .313	/	4.4
LAT= 36.0	U= .174	/	5.4	V= 1.299	/	9.5	W= .008692	/	7.0	T= .833	/	4.4
LAT= 42.0	U= 1.203	/	.3	V= .822	/	2.5	W= .011893	/	7.1	T= 1.127	/	4.4
LAT= 48.0	U= 2.760	/	.3	V= 2.851	/	3.1	W= .012249	/	7.2	T= 1.153	/	4.5
LAT= 54.0	U= 4.065	/	.3	V= 4.363	/	3.2	W= .010401	/	7.3	T= .973	/	4.7
LAT= 60.0	U= 4.777	/	.3	V= 5.044	/	3.3	W= .007535	/	7.5	T= .704	/	4.8
LAT= 66.0	U= 4.756	/	.4	V= 4.891	/	3.4	W= .004730	/	7.7	T= .437	/	5.0
LAT= 72.0	U= 4.069	/	.4	V= 4.086	/	3.4	W= .002434	/	8.0	T= .224	/	5.2
LAT= 78.0	U= 3.137	/	.5	V= 2.853	/	3.5	W= .002298	/	7.9	T= .213	/	5.1
LAT= 84.0	U= 1.461	/	.5	V= 1.306	/	3.5	W= .000533	/	7.4	T= .048	/	4.7
Z = 107.177 KM												
LAT= 0.0	U= .001	/	4.0	V= 2.402	/	1.3	W= .000001	/	10.3	T= 0.000	/	7.3
LAT= 6.0	U= .131	/	4.9	V= 1.805	/	1.3	W= .005776	/	11.1	T= .624	/	8.3
LAT= 12.0	U= .383	/	4.5	V= .302	/	1.1	W= .008898	/	11.1	T= .969	/	8.3
LAT= 18.0	U= .752	/	4.3	V= 1.409	/	7.4	W= .007983	/	11.1	T= .885	/	8.3
LAT= 24.0	U= 1.044	/	4.2	V= 2.534	/	7.4	W= .003493	/	11.1	T= .419	/	8.1
LAT= 30.0	U= .984	/	3.9	V= 2.565	/	7.5	W= .002697	/	5.5	T= .266	/	3.2
LAT= 36.0	U= .475	/	2.8	V= 1.469	/	7.5	W= .008175	/	5.5	T= .855	/	2.8
LAT= 42.0	U= .969	/	11.4	V= .355	/	1.3	W= .011329	/	5.5	T= 1.210	/	2.9
LAT= 48.0	U= 2.317	/	10.9	V= 2.293	/	1.6	W= .011701	/	5.7	T= 1.267	/	3.0
LAT= 54.0	U= 3.542	/	10.8	V= 3.800	/	1.7	W= .009924	/	5.8	T= 1.084	/	3.1
LAT= 60.0	U= 4.293	/	10.8	V= 4.559	/	1.8	W= .007171	/	6.0	T= .793	/	3.3
LAT= 66.0	U= 4.358	/	10.9	V= 4.527	/	1.9	W= .004456	/	6.2	T= .492	/	3.5
LAT= 72.0	U= 3.779	/	10.9	V= 3.847	/	2.0	W= .002149	/	6.4	T= .238	/	3.7
LAT= 78.0	U= 3.056	/	11.1	V= 2.711	/	2.0	W= .002392	/	6.4	T= .271	/	3.6
LAT= 84.0	U= 1.401	/	11.0	V= 1.204	/	2.1	W= .000605	/	6.1	T= .067	/	3.4
Z = 111.019 KM												
LAT= 0.0	U= .001	/	2.0	V= 2.408	/	11.6	W= .000002	/	8.9	T= 0.000	/	5.8
LAT= 6.0	U= .151	/	3.1	V= 1.871	/	11.5	W= .005476	/	9.5	T= .685	/	6.5
LAT= 12.0	U= .395	/	2.8	V= .509	/	11.2	W= .008501	/	9.5	T= 1.079	/	6.5
LAT= 18.0	U= .731	/	2.5	V= 1.107	/	5.9	W= .007791	/	9.4	T= 1.024	/	6.5
LAT= 24.0	U= 1.020	/	2.3	V= 2.217	/	5.9	W= .003794	/	9.2	T= .568	/	6.2
LAT= 30.0	U= 1.053	/	2.0	V= 2.410	/	5.8	W= .002338	/	4.7	T= .240	/	2.7
LAT= 36.0	U= .762	/	1.1	V= 1.510	/	5.8	W= .007292	/	4.1	T= .607	/	1.4
LAT= 42.0	U= .953	/	10.8	V= .112	/	3.8	W= .010296	/	4.1	T= 1.195	/	1.4
LAT= 48.0	U= 1.814	/	9.8	V= 1.612	/	.3	W= .010757	/	4.2	T= 1.279	/	1.4
LAT= 54.0	U= 2.831	/	9.5	V= 2.912	/	.3	W= .009203	/	4.3	T= 1.114	/	1.6
LAT= 60.0	U= 3.513	/	9.5	V= 3.724	/	.4	W= .006727	/	4.5	T= .827	/	1.7
LAT= 66.0	U= 3.618	/	9.5	V= 3.761	/	.5	W= .004192	/	4.7	T= .518	/	1.9
LAT= 72.0	U= 3.160	/	9.6	V= 3.258	/	.6	W= .001985	/	4.8	T= .245	/	2.1
LAT= 78.0	U= 2.690	/	9.7	V= 2.307	/	.7	W= .002429	/	4.8	T= .309	/	2.0
LAT= 84.0	U= 1.207	/	9.7	V= .914	/	.7	W= .000610	/	4.6	T= .078	/	1.8

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200$, and 1400 K (contd)

T₀ = 800 K

Z = 115.091 KM

LAT= 0.0	U= .001 / .3	V= 2.314 / 10.1	W= .000002 / 7.5	T= 0.000 / 4.3
LAT= 6.0	U= .167 / 1.5	V= 1.861 / 10.1	W= .005243 / 7.9	T= .701 / 4.9
LAT= 12.0	U= .394 / 1.2	V= .702 / 9.8	W= .008255 / 7.9	T= 1.123 / 4.8
LAT= 18.0	U= .686 / 1.0	V= .726 / 4.7	W= .007851 / 7.8	T= 1.111 / 4.8
LAT= 24.0	U= .949 / .7	V= 1.770 / 4.4	W= .004478 / 7.4	T= .711 / 4.4
LAT= 30.0	U= 1.041 / .4	V= 2.060 / 4.4	W= .002405 / 4.3	T= .304 / 2.3
LAT= 36.0	U= .902 / 11.7	V= 1.566 / 4.3	W= .006420 / 3.0	T= .700 / .2
LAT= 42.0	U= .845 / 10.2	V= .511 / 3.5	W= .009304 / 2.8	T= 1.081 / 12.0
LAT= 48.0	U= 1.372 / 8.9	V= .991 / 11.4	W= .009943 / 2.8	T= 1.194 / 12.0
LAT= 54.0	U= 2.107 / 8.5	V= 2.109 / 11.2	W= .008680 / 2.9	T= 1.065 / .1
LAT= 60.0	U= 2.666 / 8.3	V= 2.784 / 11.2	W= .006513 / 3.1	T= .813 / .2
LAT= 66.0	U= 2.790 / 8.3	V= 2.920 / 11.3	W= .004118 / 3.2	T= .522 / .4
LAT= 72.0	U= 2.465 / 8.3	V= 2.569 / 11.3	W= .001992 / 3.3	T= .252 / .6
LAT= 78.0	U= 2.218 / 8.4	V= 1.842 / 11.4	W= .002546 / 3.3	T= .329 / .3
LAT= 84.0	U= .975 / 8.4	V= .744 / 11.5	W= .000659 / 3.0	T= .083 / 12.0

Z = 119.451 KM

LAT= 0.0	U= .001 / 10.9	V= 2.164 / 8.8	W= .000002 / 6.1	T= 0.000 / 3.2
LAT= 6.0	U= .174 / .1	V= 1.792 / 8.8	W= .005361 / 6.5	T= .697 / 3.4
LAT= 12.0	U= .383 / 11.9	V= .829 / 8.6	W= .008606 / 6.5	T= 1.136 / 3.3
LAT= 18.0	U= .630 / 11.6	V= .367 / 3.6	W= .008583 / 6.3	T= 1.171 / 3.2
LAT= 24.0	U= .860 / 11.3	V= 1.322 / 3.1	W= .005697 / 5.9	T= .841 / 2.9
LAT= 30.0	U= .973 / 11.0	V= 1.708 / 3.1	W= .003054 / 3.9	T= .428 / 1.6
LAT= 36.0	U= .916 / 10.5	V= 1.441 / 3.0	W= .005792 / 2.1	T= .587 / 11.3
LAT= 42.0	U= .825 / 9.4	V= .703 / 2.5	W= .008639 / 1.7	T= .924 / 10.8
LAT= 48.0	U= 1.048 / 8.2	V= .560 / 11.0	W= .009530 / 1.7	T= 1.057 / 10.7
LAT= 54.0	U= 1.521 / 7.5	V= 1.395 / 10.2	W= .008554 / 1.7	T= .972 / 10.8
LAT= 60.0	U= 1.949 / 7.3	V= 1.962 / 10.1	W= .006637 / 1.8	T= .769 / 10.9
LAT= 66.0	U= 2.079 / 7.2	V= 2.165 / 10.2	W= .004279 / 1.9	T= .507 / 11.0
LAT= 72.0	U= 1.864 / 7.2	V= 1.959 / 10.3	W= .002141 / 2.1	T= .256 / 11.2
LAT= 78.0	U= 1.780 / 7.3	V= 1.434 / 10.3	W= .002696 / 1.9	T= .321 / 10.8
LAT= 84.0	U= .767 / 7.3	V= .563 / 10.5	W= .000728 / 1.5	T= .092 / 10.4

Z = 124.175 KM

LAT= 0.0	U= .001 / 9.8	V= 1.996 / 7.6	W= .000002 / 4.7	T= 0.000 / 2.3
LAT= 6.0	U= .174 / 10.9	V= 1.649 / 7.6	W= .005744 / 5.3	T= .673 / 2.1
LAT= 12.0	U= .365 / 10.7	V= .963 / 7.6	W= .009410 / 5.3	T= 1.117 / 2.1
LAT= 18.0	U= .581 / 10.4	V= .147 / 2.8	W= .009823 / 5.1	T= 1.197 / 2.0
LAT= 24.0	U= .783 / 10.1	V= .995 / 1.9	W= .007274 / 4.8	T= .938 / 1.7
LAT= 30.0	U= .899 / 9.8	V= 1.331 / 1.9	W= .004121 / 3.5	T= .547 / .8
LAT= 36.0	U= .877 / 9.4	V= 1.226 / 1.8	W= .005355 / 1.4	T= .437 / 10.8
LAT= 42.0	U= .777 / 8.6	V= .778 / 1.4	W= .008177 / .8	T= .758 / 9.9
LAT= 48.0	U= .830 / 7.5	V= .348 / 11.0	W= .009409 / .6	T= .906 / 9.7
LAT= 54.0	U= 1.109 / 6.7	V= .508 / 9.4	W= .008764 / .6	T= .866 / 9.6
LAT= 60.0	U= 1.425 / 6.4	V= 1.393 / 9.2	W= .007075 / .7	T= .716 / 9.7
LAT= 66.0	U= 1.546 / 6.3	V= 1.631 / 9.2	W= .004705 / .8	T= .487 / 9.8
LAT= 72.0	U= 1.407 / 6.3	V= 1.484 / 9.3	W= .002425 / 1.0	T= .256 / 10.0
LAT= 78.0	U= 1.407 / 6.2	V= 1.116 / 9.4	W= .002947 / .6	T= .298 / 9.5
LAT= 84.0	U= .599 / 6.3	V= .445 / 9.7	W= .000782 / .1	T= .072 / 9.0

Z = 129.367 KM

LAT= 0.0	U= .001 / 9.1	V= 1.890 / 6.6	W= .000002 / 3.4	T= 0.000 / 1.7
LAT= 6.0	U= .169 / 9.9	V= 1.579 / 6.6	W= .006203 / 4.3	T= .630 / 1.1
LAT= 12.0	U= .348 / 9.7	V= .890 / 6.6	W= .010350 / 4.3	T= 1.064 / 1.1
LAT= 18.0	U= .542 / 9.3	V= .606 / 5.2	W= .011213 / 4.2	T= 1.180 / 1.0
LAT= 24.0	U= .727 / 9.0	V= .740 / .7	W= .008940 / 3.9	T= .989 / .8
LAT= 30.0	U= .839 / 8.7	V= 1.157 / .7	W= .005385 / 3.0	T= .635 / .2
LAT= 36.0	U= .829 / 8.4	V= 1.149 / .7	W= .005051 / .9	T= .445 / 10.5
LAT= 42.0	U= .727 / 7.8	V= .747 / .4	W= .007726 / 12.0	T= .608 / 9.2
LAT= 48.0	U= .692 / 6.8	V= .342 / 11.0	W= .009355 / 11.8	T= .751 / 8.8
LAT= 54.0	U= .836 / 5.9	V= .613 / 8.8	W= .009109 / 11.7	T= .765 / 8.7
LAT= 60.0	U= 1.066 / 5.5	V= .945 / 8.3	W= .007679 / 11.8	T= .664 / 8.8
LAT= 66.0	U= 1.165 / 5.4	V= 1.173 / 8.3	W= .005318 / 11.9	T= .471 / 8.8
LAT= 72.0	U= 1.069 / 5.3	V= 1.128 / 8.4	W= .002819 / 12.0	T= .254 / 9.0
LAT= 78.0	U= 1.095 / 5.2	V= .874 / 8.5	W= .003348 / 11.4	T= .281 / 8.3
LAT= 84.0	U= .466 / 5.4	V= .374 / 9.0	W= .000822 / 10.9	T= .061 / 7.7

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200$, and 1400 K (contd)

$T_0 = 800$ K										
Z = 135.169 KM										
LAT= 0.0	U=	.001 / 8.7	V=	1.711 / 5.6	W=	.000002 / 2.5	T=	0.000 / 1.3		
LAT= 6.0	U=	.160 / 9.0	V=	1.482 / 5.6	W=	.006611 / 3.4	T=	.578 / .3		
LAT= 12.0	U=	.329 / 8.7	V=	.877 / 5.7	W=	.011197 / 3.4	T=	.990 / .2		
LAT= 18.0	U=	.513 / 8.4	V=	.106 / 6.2	W=	.012487 / 3.3	T=	1.133 / .2		
LAT= 24.0	U=	.689 / 8.0	V=	.590 / 11.6	W=	.010481 / 3.1	T=	.999 / 12.0		
LAT= 30.0	U=	.797 / 7.8	V=	1.000 / 11.6	W=	.006670 / 2.4	T=	.690 / 11.6		
LAT= 36.0	U=	.793 / 7.5	V=	1.053 / 11.6	W=	.004882 / .7	T=	.430 / 10.3		
LAT= 42.0	U=	.695 / 7.0	V=	.803 / 11.4	W=	.007149 / 11.4	T=	.484 / 8.7		
LAT= 48.0	U=	.620 / 6.1	V=	.445 / 10.5	W=	.009146 / 11.1	T=	.633 / 8.1		
LAT= 54.0	U=	.679 / 5.2	V=	.431 / 8.4	W=	.009333 / 11.0	T=	.672 / 8.0		
LAT= 60.0	U=	.842 / 4.7	V=	.711 / 7.6	W=	.008205 / 11.1	T=	.614 / 8.0		
LAT= 66.0	U=	.912 / 4.5	V=	.884 / 7.4	W=	.005922 / 11.1	T=	.456 / 8.0		
LAT= 72.0	U=	.834 / 4.4	V=	.879 / 7.5	W=	.003231 / 11.3	T=	.252 / 8.1		
LAT= 78.0	U=	.863 / 4.2	V=	.702 / 7.6	W=	.003776 / 10.5	T=	.272 / 7.3		
LAT= 84.0	U=	.370 / 4.5	V=	.329 / 8.2	W=	.000831 / 9.9	T=	.052 / 6.7		
Z = 141.772 KM										
LAT= 0.0	U=	.001 / 8.5	V=	1.604 / 4.7	W=	.000002 / 1.8	T=	0.000 / .9		
LAT= 6.0	U=	.150 / 8.1	V=	1.401 / 4.7	W=	.006966 / 2.6	T=	.525 / 11.5		
LAT= 12.0	U=	.311 / 7.9	V=	.862 / 4.8	W=	.011931 / 2.6	T=	.912 / 11.4		
LAT= 18.0	U=	.489 / 7.5	V=	.171 / 5.3	W=	.013593 / 2.5	T=	1.071 / 11.4		
LAT= 24.0	U=	.657 / 7.2	V=	.482 / 10.5	W=	.011833 / 2.4	T=	.984 / 11.3		
LAT= 30.0	U=	.763 / 6.9	V=	.866 / 10.6	W=	.007882 / 1.9	T=	.718 / 11.0		
LAT= 36.0	U=	.767 / 6.6	V=	.983 / 10.6	W=	.004895 / .5	T=	.433 / 10.1		
LAT= 42.0	U=	.683 / 6.2	V=	.807 / 10.5	W=	.006418 / 10.9	T=	.385 / 8.4		
LAT= 48.0	U=	.602 / 5.4	V=	.498 / 9.9	W=	.008669 / 10.4	T=	.516 / 7.5		
LAT= 54.0	U=	.612 / 4.5	V=	.351 / 8.2	W=	.009255 / 10.3	T=	.583 / 7.3		
LAT= 60.0	U=	.724 / 4.0	V=	.532 / 6.9	W=	.008444 / 10.4	T=	.556 / 7.3		
LAT= 66.0	U=	.763 / 3.7	V=	.695 / 6.6	W=	.006316 / 10.5	T=	.431 / 7.3		
LAT= 72.0	U=	.687 / 3.6	V=	.718 / 6.6	W=	.003544 / 10.6	T=	.245 / 7.3		
LAT= 78.0	U=	.719 / 3.2	V=	.595 / 6.7	W=	.004044 / 9.8	T=	.261 / 6.4		
LAT= 84.0	U=	.309 / 3.5	V=	.302 / 7.3	W=	.000799 / 9.0	T=	.044 / 5.8		
Z = 149.425 KM										
LAT= 0.0	U=	.001 / 8.3	V=	1.511 / 3.9	W=	.000003 / 1.5	T=	0.000 / .5		
LAT= 6.0	U=	.139 / 7.3	V=	1.330 / 3.9	W=	.007358 / 1.8	T=	.478 / 10.7		
LAT= 12.0	U=	.291 / 7.0	V=	.850 / 4.0	W=	.012695 / 1.8	T=	.840 / 10.7		
LAT= 18.0	U=	.461 / 6.8	V=	.226 / 4.5	W=	.014674 / 1.8	T=	1.006 / 10.7		
LAT= 24.0	U=	.618 / 6.5	V=	.385 / 9.5	W=	.013106 / 1.7	T=	.953 / 10.6		
LAT= 30.0	U=	.718 / 6.2	V=	.762 / 9.7	W=	.009061 / 1.4	T=	.726 / 10.4		
LAT= 36.0	U=	.731 / 5.9	V=	.914 / 9.8	W=	.005143 / .3	T=	.443 / 9.8		
LAT= 42.0	U=	.670 / 5.5	V=	.746 / 9.7	W=	.005591 / 10.5	T=	.310 / 8.2		
LAT= 48.0	U=	.599 / 4.8	V=	.536 / 9.3	W=	.007144 / 9.8	T=	.407 / 7.0		
LAT= 54.0	U=	.580 / 4.0	V=	.330 / 8.0	W=	.008672 / 9.7	T=	.487 / 6.7		
LAT= 60.0	U=	.652 / 3.4	V=	.414 / 6.4	W=	.008303 / 9.8	T=	.487 / 6.6		
LAT= 66.0	U=	.664 / 3.0	V=	.563 / 5.9	W=	.006435 / 9.8	T=	.390 / 6.6		
LAT= 72.0	U=	.585 / 2.8	V=	.606 / 5.8	W=	.003593 / 9.9	T=	.227 / 6.6		
LAT= 78.0	U=	.624 / 2.3	V=	.525 / 5.8	W=	.004070 / 9.1	T=	.239 / 5.7		
LAT= 84.0	U=	.271 / 2.7	V=	.282 / 6.5	W=	.000731 / 8.3	T=	.039 / 5.1		
Z = 158.420 KM										
LAT= 0.0	U=	.001 / 8.0	V=	1.430 / 3.1	W=	.000004 / 1.2	T=	0.000 / .1		
LAT= 6.0	U=	.127 / 6.3	V=	1.270 / 3.1	W=	.007872 / 1.1	T=	.439 / 10.0		
LAT= 12.0	U=	.266 / 6.2	V=	.841 / 3.2	W=	.013644 / 1.1	T=	.777 / 10.0		
LAT= 18.0	U=	.419 / 6.0	V=	.278 / 3.6	W=	.015926 / 1.1	T=	.944 / 10.0		
LAT= 24.0	U=	.559 / 5.8	V=	.246 / 8.5	W=	.014488 / 1.1	T=	.914 / 10.0		
LAT= 30.0	U=	.650 / 5.6	V=	.679 / 8.9	W=	.010320 / .9	T=	.722 / 9.9		
LAT= 36.0	U=	.673 / 5.3	V=	.836 / 9.0	W=	.005641 / .1	T=	.453 / 9.5		
LAT= 42.0	U=	.632 / 4.9	V=	.771 / 8.9	W=	.004747 / 10.1	T=	.260 / 8.2		
LAT= 48.0	U=	.571 / 4.3	V=	.556 / 8.6	W=	.007108 / 9.2	T=	.301 / 6.6		
LAT= 54.0	U=	.532 / 3.6	V=	.344 / 7.7	W=	.006381 / 9.0	T=	.384 / 6.1		
LAT= 60.0	U=	.570 / 3.0	V=	.337 / 6.1	W=	.006168 / 9.1	T=	.406 / 6.0		
LAT= 66.0	U=	.563 / 2.4	V=	.456 / 5.3	W=	.006451 / 9.1	T=	.336 / 5.9		
LAT= 72.0	U=	.489 / 2.2	V=	.510 / 5.2	W=	.003757 / 9.2	T=	.201 / 6.0		
LAT= 78.0	U=	.527 / 1.6	V=	.457 / 5.1	W=	.003980 / 8.3	T=	.206 / 5.0		
LAT= 84.0	U=	.233 / 2.0	V=	.264 / 5.8	W=	.000647 / 7.6	T=	.033 / 4.6		

Table B4. Amplitude and Phase for the (2,5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200, \text{ and } 1400 \text{ K}$ (contd)

Z = 181.310 KM										$T_0 = 800 \text{ K}$	
LAT= 0.0	U=	.001 / 7.3	V=	1.326 / 1.6	W=	.000005 / .7	T=	0.000 / 11.7			
LAT= 6.0	U=	.107 / 4.5	V=	1.196 / 1.7	W=	.009291 / 11.8	T=	.387 / 8.8			
LAT= 12.0	U=	.220 / 4.5	V=	.842 / 1.8	W=	.016183 / 11.9	T=	.691 / 8.9			
LAT= 18.0	U=	.338 / 4.4	V=	.372 / 2.1	W=	.019117 / 11.9	T=	.852 / 9.0			
LAT= 24.0	U=	.446 / 4.3	V=	.169 / 6.2	W=	.017803 / 11.9	T=	.847 / 9.1			
LAT= 30.0	U=	.521 / 4.2	V=	.510 / 7.3	W=	.013183 / 11.9	T=	.700 / 9.1			
LAT= 36.0	U=	.552 / 4.0	V=	.701 / 7.4	W=	.007133 / 11.6	T=	.469 / 9.0			
LAT= 42.0	U=	.531 / 3.7	V=	.713 / 7.5	W=	.003230 / 9.6	T=	.230 / 8.5			
LAT= 48.0	U=	.475 / 3.4	V=	.567 / 7.4	W=	.005793 / 7.8	T=	.127 / 6.3			
LAT= 54.0	U=	.406 / 2.8	V=	.403 / 6.9	W=	.008095 / 7.5	T=	.208 / 4.9			
LAT= 60.0	U=	.399 / 2.2	V=	.276 / 5.9	W=	.008526 / 7.6	T=	.255 / 4.8			
LAT= 66.0	U=	.364 / 1.5	V=	.284 / 4.6	W=	.007155 / 7.6	T=	.235 / 4.6			
LAT= 72.0	U=	.313 / 1.1	V=	.322 / 4.1	W=	.004273 / 7.7	T=	.148 / 4.6			
LAT= 78.0	U=	.327 / .2	V=	.300 / 4.0	W=	.004339 / 6.6	T=	.144 / 3.7			
LAT= 84.0	U=	.152 / .9	V=	.203 / 4.7	W=	.000566 / 6.2	T=	.022 / 3.7			
Z = 209.865 KM											
LAT= 0.0	U=	0.000 / 6.8	V=	1.323 / .5	W=	.000006 / .3	T=	0.000 / 11.6			
LAT= 6.0	U=	.102 / 3.0	V=	1.204 / .6	W=	.010667 / 10.9	T=	.366 / 8.2			
LAT= 12.0	U=	.205 / 3.0	V=	.882 / .7	W=	.018599 / 10.9	T=	.655 / 8.3			
LAT= 18.0	U=	.310 / 3.0	V=	.452 / 1.2	W=	.022061 / 11.0	T=	.813 / 8.4			
LAT= 24.0	U=	.406 / 3.1	V=	.175 / 4.0	W=	.020741 / 11.1	T=	.821 / 8.5			
LAT= 30.0	U=	.475 / 3.0	V=	.449 / 5.9	W=	.015592 / 11.1	T=	.696 / 8.6			
LAT= 36.0	U=	.507 / 3.0	V=	.661 / 6.2	W=	.008423 / 11.1	T=	.487 / 8.7			
LAT= 42.0	U=	.485 / 2.9	V=	.715 / 6.3	W=	.002140 / 9.3	T=	.249 / 8.7			
LAT= 48.0	U=	.417 / 2.7	V=	.631 / 6.4	W=	.005679 / 6.5	T=	.047 / 7.6			
LAT= 54.0	U=	.323 / 2.3	V=	.464 / 6.2	W=	.009166 / 6.3	T=	.123 / 3.5			
LAT= 60.0	U=	.281 / 1.6	V=	.284 / 5.7	W=	.010095 / 6.4	T=	.189 / 3.6			
LAT= 66.0	U=	.224 / .7	V=	.181 / 4.4	W=	.008788 / 6.4	T=	.196 / 3.5			
LAT= 72.0	U=	.192 / .1	V=	.185 / 3.3	W=	.005337 / 6.6	T=	.129 / 3.6			
LAT= 78.0	U=	.209 / 10.7	V=	.178 / 2.9	W=	.005280 / 5.5	T=	.121 / 2.6			
LAT= 84.0	U=	.091 / 11.8	V=	.140 / 3.9	W=	.000651 / 5.3	T=	.018 / 2.9			
Z = 240.988 KM											
LAT= 0.0	U=	0.000 / 6.5	V=	1.375 / 11.9	W=	.000007 / 12.0	T=	0.000 / 11.5			
LAT= 6.0	U=	.113 / 2.0	V=	1.257 / 11.9	W=	.011565 / 10.3	T=	.363 / 7.9			
LAT= 12.0	U=	.224 / 2.0	V=	.936 / .1	W=	.020176 / 10.3	T=	.650 / 8.0			
LAT= 18.0	U=	.329 / 2.1	V=	.510 / .6	W=	.023974 / 10.4	T=	.810 / 8.1			
LAT= 24.0	U=	.425 / 2.2	V=	.229 / 2.9	W=	.022602 / 10.5	T=	.823 / 8.3			
LAT= 30.0	U=	.492 / 2.3	V=	.488 / 5.0	W=	.017012 / 10.6	T=	.705 / 8.4			
LAT= 36.0	U=	.521 / 2.4	V=	.695 / 5.4	W=	.009023 / 10.6	T=	.504 / 8.6			
LAT= 42.0	U=	.489 / 2.3	V=	.768 / 5.6	W=	.001508 / 8.7	T=	.269 / 8.7			
LAT= 48.0	U=	.405 / 2.3	V=	.635 / 5.7	W=	.006532 / 5.7	T=	.057 / 9.3			
LAT= 54.0	U=	.285 / 2.1	V=	.522 / 5.8	W=	.010749 / 5.6	T=	.110 / 2.5			
LAT= 60.0	U=	.215 / 1.4	V=	.310 / 5.6	W=	.011922 / 5.8	T=	.177 / 2.9			
LAT= 66.0	U=	.142 / 12.0	V=	.135 / 4.6	W=	.010425 / 5.8	T=	.193 / 2.9			
LAT= 72.0	U=	.129 / 11.1	V=	.106 / 2.5	W=	.006268 / 6.0	T=	.129 / 3.0			
LAT= 78.0	U=	.181 / 9.3	V=	.116 / 1.8	W=	.005974 / 4.9	T=	.119 / 2.0			
LAT= 84.0	U=	.063 / 10.6	V=	.106 / 3.3	W=	.000728 / 4.9	T=	.017 / 2.5			
Z = 272.801 KM											
LAT= 0.0	U=	0.000 / 6.3	V=	1.433 / 11.5	W=	.000008 / 11.7	T=	0.000 / 11.5			
LAT= 6.0	U=	.128 / 1.4	V=	1.312 / 11.5	W=	.012042 / 9.9	T=	.367 / 7.8			
LAT= 12.0	U=	.250 / 1.5	V=	.986 / 11.7	W=	.021043 / 9.9	T=	.658 / 7.9			
LAT= 18.0	U=	.364 / 1.6	V=	.551 / .3	W=	.025045 / 10.0	T=	.821 / 8.0			
LAT= 24.0	U=	.462 / 1.8	V=	.273 / 2.5	W=	.023602 / 10.2	T=	.836 / 8.2			
LAT= 30.0	U=	.530 / 1.9	V=	.508 / 4.5	W=	.017643 / 10.3	T=	.721 / 8.3			
LAT= 36.0	U=	.554 / 2.0	V=	.747 / 5.0	W=	.009051 / 10.3	T=	.519 / 8.5			
LAT= 42.0	U=	.513 / 2.1	V=	.829 / 5.3	W=	.001495 / 7.6	T=	.283 / 8.7			
LAT= 48.0	U=	.411 / 2.1	V=	.755 / 5.4	W=	.007693 / 5.3	T=	.073 / 9.7			
LAT= 54.0	U=	.273 / 2.0	V=	.571 / 5.5	W=	.012218 / 5.3	T=	.114 / 2.0			
LAT= 60.0	U=	.180 / 1.4	V=	.334 / 5.4	W=	.013476 / 5.5	T=	.179 / 2.6			
LAT= 66.0	U=	.095 / 11.4	V=	.118 / 4.9	W=	.011716 / 5.5	T=	.197 / 2.6			
LAT= 72.0	U=	.107 / 10.3	V=	.069 / 1.6	W=	.006901 / 5.6	T=	.132 / 2.8			
LAT= 78.0	U=	.191 / 8.5	V=	.100 / .9	W=	.006358 / 4.5	T=	.121 / 1.8			
LAT= 84.0	U=	.056 / 9.7	V=	.094 / 2.9	W=	.000741 / 4.8	T=	.018 / 2.3			

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 800$ K										
Z = 304.762 KM										
LAT= 0.0	U=	0.000 / 6.2	V=	1.481 / 11.3	W=	.000009 / 11.5	T=	0.000 / 11.5		
LAT= 6.0	U=	.142 / 1.1	V=	1.358 / 11.3	W=	.012212 / 9.6	T=	.374 / 7.7		
LAT= 12.0	U=	.275 / 1.2	V=	1.024 / 11.6	W=	.021369 / 9.6	T=	.671 / 7.8		
LAT= 18.0	U=	.397 / 1.4	V=	.581 / .1	W=	.025447 / 9.7	T=	.837 / 7.9		
LAT= 24.0	U=	.499 / 1.6	V=	.302 / 2.3	W=	.023809 / 9.9	T=	.855 / 8.1		
LAT= 30.0	U=	.566 / 1.7	V=	.542 / 4.2	W=	.017667 / 10.0	T=	.738 / 8.3		
LAT= 36.0	U=	.587 / 1.9	V=	.793 / 4.8	W=	.008713 / 9.9	T=	.534 / 8.5		
LAT= 42.0	U=	.537 / 2.0	V=	.861 / 5.1	W=	.002329 / 6.6	T=	.294 / 8.7		
LAT= 48.0	U=	.423 / 2.0	V=	.803 / 5.2	W=	.008898 / 5.2	T=	.082 / 9.8		
LAT= 54.0	U=	.271 / 2.0	V=	.609 / 5.4	W=	.013426 / 5.1	T=	.118 / 1.8		
LAT= 60.0	U=	.163 / 1.4	V=	.355 / 5.4	W=	.014653 / 5.3	T=	.184 / 2.4		
LAT= 66.0	U=	.071 / 10.9	V=	.115 / 5.1	W=	.012623 / 5.3	T=	.203 / 2.5		
LAT= 72.0	U=	.103 / 9.7	V=	.059 / .8	W=	.007294 / 5.4	T=	.136 / 2.7		
LAT= 78.0	U=	.206 / 8.1	V=	.098 / .3	W=	.006557 / 4.3	T=	.124 / 1.7		
LAT= 84.0	U=	.057 / 9.2	V=	.090 / 2.7	W=	.000710 / 4.7	T=	.018 / 2.3		
Z = 336.754 KM										
LAT= 0.0	U=	0.000 / 6.1	V=	1.520 / 11.2	W=	.000010 / 11.3	T=	0.000 / 11.5		
LAT= 6.0	U=	.152 / 1.0	V=	1.395 / 11.2	W=	.012171 / 9.3	T=	.382 / 7.7		
LAT= 12.0	U=	.296 / 1.1	V=	1.056 / 11.5	W=	.021308 / 9.4	T=	.686 / 7.8		
LAT= 18.0	U=	.423 / 1.3	V=	.603 / 12.0	W=	.025358 / 9.5	T=	.856 / 7.9		
LAT= 24.0	U=	.528 / 1.4	V=	.321 / 2.2	W=	.023715 / 9.6	T=	.875 / 8.1		
LAT= 30.0	U=	.595 / 1.6	V=	.549 / 4.1	W=	.017301 / 9.7	T=	.756 / 8.3		
LAT= 36.0	U=	.613 / 1.8	V=	.829 / 4.7	W=	.008288 / 9.4	T=	.547 / 8.5		
LAT= 42.0	U=	.557 / 1.9	V=	.920 / 5.0	W=	.003708 / 6.2	T=	.303 / 8.7		
LAT= 48.0	U=	.435 / 2.0	V=	.840 / 5.2	W=	.010101 / 5.1	T=	.088 / 9.8		
LAT= 54.0	U=	.273 / 2.0	V=	.636 / 5.3	W=	.014402 / 5.1	T=	.122 / 1.7		
LAT= 60.0	U=	.155 / 1.5	V=	.369 / 5.3	W=	.015503 / 5.2	T=	.189 / 2.4		
LAT= 66.0	U=	.061 / 10.5	V=	.115 / 5.2	W=	.013198 / 5.2	T=	.208 / 2.5		
LAT= 72.0	U=	.105 / 9.3	V=	.059 / .3	W=	.007502 / 5.3	T=	.139 / 2.7		
LAT= 78.0	U=	.219 / 7.8	V=	.101 / 12.0	W=	.006645 / 4.1	T=	.127 / 1.7		
LAT= 84.0	U=	.059 / 8.9	V=	.089 / 2.7	W=	.000662 / 4.6	T=	.018 / 2.2		
Z = 368.753 KM										
LAT= 0.0	U=	0.000 / 6.1	V=	1.554 / 11.1	W=	.000010 / 11.1	T=	0.000 / 11.5		
LAT= 6.0	U=	.160 / .9	V=	1.428 / 11.2	W=	.011985 / 9.1	T=	.391 / 7.7		
LAT= 12.0	U=	.310 / 1.0	V=	1.042 / 11.4	W=	.020979 / 9.1	T=	.701 / 7.8		
LAT= 18.0	U=	.442 / 1.2	V=	.620 / 12.0	W=	.024934 / 9.2	T=	.876 / 7.9		
LAT= 24.0	U=	.550 / 1.4	V=	.335 / 2.2	W=	.023210 / 9.3	T=	.895 / 8.1		
LAT= 30.0	U=	.618 / 1.6	V=	.540 / 4.1	W=	.016776 / 9.3	T=	.774 / 8.3		
LAT= 36.0	U=	.634 / 1.7	V=	.856 / 4.6	W=	.008118 / 8.9	T=	.561 / 8.5		
LAT= 42.0	U=	.574 / 1.8	V=	.951 / 4.9	W=	.005398 / 6.1	T=	.311 / 8.7		
LAT= 48.0	U=	.446 / 1.9	V=	.868 / 5.1	W=	.011289 / 5.1	T=	.091 / 9.8		
LAT= 54.0	U=	.277 / 2.0	V=	.657 / 5.2	W=	.015170 / 5.0	T=	.126 / 1.6		
LAT= 60.0	U=	.152 / 1.5	V=	.382 / 5.3	W=	.016070 / 5.2	T=	.194 / 2.3		
LAT= 66.0	U=	.056 / 10.2	V=	.117 / 5.2	W=	.013486 / 5.2	T=	.213 / 2.4		
LAT= 72.0	U=	.107 / 9.1	V=	.061 / 12.0	W=	.007551 / 5.2	T=	.143 / 2.6		
LAT= 78.0	U=	.227 / 7.7	V=	.104 / 11.8	W=	.006642 / 4.0	T=	.130 / 1.7		
LAT= 84.0	U=	.061 / 8.8	V=	.088 / 2.7	W=	.000610 / 4.5	T=	.019 / 2.2		
Z = 400.753 KM										
LAT= 0.0	U=	0.000 / 6.1	V=	1.586 / 11.1	W=	.000011 / 10.9	T=	0.000 / 11.5		
LAT= 6.0	U=	.166 / .9	V=	1.458 / 11.2	W=	.011671 / 8.8	T=	.399 / 7.7		
LAT= 12.0	U=	.321 / 1.0	V=	1.105 / 11.4	W=	.020427 / 8.9	T=	.717 / 7.8		
LAT= 18.0	U=	.456 / 1.2	V=	.635 / 12.0	W=	.024263 / 8.9	T=	.895 / 7.9		
LAT= 24.0	U=	.566 / 1.4	V=	.345 / 2.1	W=	.022539 / 9.0	T=	.914 / 8.1		
LAT= 30.0	U=	.635 / 1.5	V=	.605 / 4.0	W=	.016313 / 8.9	T=	.790 / 8.2		
LAT= 36.0	U=	.650 / 1.7	V=	.879 / 4.6	W=	.008521 / 8.2	T=	.573 / 8.4		
LAT= 42.0	U=	.588 / 1.8	V=	.975 / 4.9	W=	.007276 / 6.0	T=	.318 / 8.7		
LAT= 48.0	U=	.457 / 1.9	V=	.890 / 5.1	W=	.012408 / 5.1	T=	.093 / 9.8		
LAT= 54.0	U=	.282 / 2.0	V=	.674 / 5.2	W=	.015690 / 5.0	T=	.129 / 1.6		
LAT= 60.0	U=	.153 / 1.5	V=	.391 / 5.3	W=	.016325 / 5.1	T=	.197 / 2.3		
LAT= 66.0	U=	.055 / 10.1	V=	.118 / 5.2	W=	.013466 / 5.1	T=	.218 / 2.4		
LAT= 72.0	U=	.110 / 9.1	V=	.063 / 11.9	W=	.007430 / 5.2	T=	.145 / 2.6		
LAT= 78.0	U=	.234 / 7.7	V=	.107 / 11.8	W=	.006523 / 3.9	T=	.133 / 1.7		
LAT= 84.0	U=	.062 / 8.7	V=	.089 / 2.7	W=	.000555 / 4.3	T=	.019 / 2.2		

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

Z = 81.010 KM										$T_0 = 1000$ K	
LAT=	0.0	U=	0.000 / 1.1	V=	.392 / 1.1	W=	0.000000 / 1.1	T=	0.000 / 9.3		
LAT=	6.0	U=	.013 / 4.5	V=	.272 / 1.1	W=	.001556 / 10.3	T=	.108 / 7.6		
LAT=	12.0	U=	.060 / 4.1	V=	.030 / 5.7	W=	.002272 / 10.3	T=	.155 / 7.6		
LAT=	18.0	U=	.138 / 4.1	V=	.328 / 6.9	W=	.001760 / 10.4	T=	.119 / 7.6		
LAT=	24.0	U=	.181 / 4.1	V=	.472 / 6.9	W=	.000371 / 10.9	T=	.017 / 7.7		
LAT=	30.0	U=	.121 / 4.3	V=	.379 / 7.0	W=	.001334 / 4.1	T=	.101 / 1.6		
LAT=	36.0	U=	.078 / 9.1	V=	.093 / 7.7	W=	.002593 / 4.2	T=	.190 / 1.6		
LAT=	42.0	U=	.347 / 9.7	V=	.297 / .6	W=	.003084 / 4.2	T=	.224 / 1.6		
LAT=	48.0	U=	.616 / 9.8	V=	.636 / .8	W=	.002851 / 4.3	T=	.207 / 1.6		
LAT=	54.0	U=	.810 / 9.8	V=	.845 / .8	W=	.002192 / 4.3	T=	.157 / 1.6		
LAT=	60.0	U=	.873 / 9.8	V=	.899 / .8	W=	.001422 / 4.3	T=	.101 / 1.6		
LAT=	66.0	U=	.817 / 9.8	V=	.823 / .9	W=	.000802 / 4.3	T=	.058 / 1.7		
LAT=	72.0	U=	.666 / 9.9	V=	.655 / .9	W=	.000379 / 4.3	T=	.026 / 1.7		
LAT=	78.0	U=	.468 / 9.8	V=	.440 / .8	W=	.000272 / 4.2	T=	.019 / 1.5		
LAT=	84.0	U=	.222 / 9.8	V=	.203 / .8	W=	.000084 / 3.9	T=	.006 / 1.2		
Z = 84.009 KM											
LAT=	0.0	U=	0.000 / 2.2	V=	.575 / 11.5	W=	0.000000 / .9	T=	0.000 / 9.3		
LAT=	6.0	U=	.017 / 2.6	V=	.349 / 11.5	W=	.001925 / 9.2	T=	.153 / 6.5		
LAT=	12.0	U=	.088 / 2.5	V=	.030 / 5.5	W=	.002802 / 9.3	T=	.222 / 6.5		
LAT=	18.0	U=	.203 / 2.5	V=	.472 / 5.5	W=	.002177 / 9.3	T=	.170 / 6.5		
LAT=	24.0	U=	.265 / 2.5	V=	.675 / 5.5	W=	.000401 / 9.7	T=	.028 / 6.2		
LAT=	30.0	U=	.179 / 2.4	V=	.554 / 5.5	W=	.001709 / 3.1	T=	.140 / .6		
LAT=	36.0	U=	.093 / 8.6	V=	.134 / 5.6	W=	.003280 / 3.2	T=	.267 / .6		
LAT=	42.0	U=	.487 / 8.5	V=	.414 / 11.5	W=	.003890 / 3.2	T=	.315 / .6		
LAT=	48.0	U=	.881 / 8.5	V=	.903 / 11.5	W=	.003593 / 3.2	T=	.291 / .6		
LAT=	54.0	U=	1.159 / 8.5	V=	1.206 / 11.5	W=	.002761 / 3.3	T=	.222 / .6		
LAT=	60.0	U=	1.259 / 8.5	V=	1.265 / 11.5	W=	.001795 / 3.3	T=	.144 / .6		
LAT=	66.0	U=	1.183 / 8.5	V=	1.190 / 11.5	W=	.001006 / 3.3	T=	.082 / .7		
LAT=	72.0	U=	.963 / 8.6	V=	.953 / 11.6	W=	.000487 / 3.3	T=	.039 / .7		
LAT=	78.0	U=	.688 / 8.5	V=	.644 / 11.6	W=	.000332 / 3.3	T=	.028 / .7		
LAT=	84.0	U=	.328 / 8.5	V=	.297 / 11.6	W=	.000101 / 3.2	T=	.009 / .4		
Z = 87.062 KM											
LAT=	0.0	U=	0.000 / 2.8	V=	.879 / 10.2	W=	0.000000 / .8	T=	0.000 / 9.4		
LAT=	6.0	U=	.028 / 1.2	V=	.629 / 10.2	W=	.002123 / 7.9	T=	.181 / 5.3		
LAT=	12.0	U=	.140 / 1.2	V=	.032 / 5.6	W=	.003078 / 7.9	T=	.261 / 5.3		
LAT=	18.0	U=	.317 / 1.2	V=	.703 / 4.3	W=	.002358 / 7.9	T=	.203 / 5.2		
LAT=	24.0	U=	.420 / 1.2	V=	1.037 / 4.3	W=	.001033 / 7.5	T=	.037 / 4.4		
LAT=	30.0	U=	.300 / 1.1	V=	.866 / 4.3	W=	.002011 / 2.0	T=	.168 / 11.6		
LAT=	36.0	U=	.108 / 8.1	V=	.235 / 4.1	W=	.003769 / 2.0	T=	.319 / 11.5		
LAT=	42.0	U=	.685 / 7.5	V=	.570 / 10.5	W=	.004450 / 2.0	T=	.375 / 11.5		
LAT=	48.0	U=	1.274 / 7.4	V=	1.306 / 10.4	W=	.004106 / 2.0	T=	.347 / 11.5		
LAT=	54.0	U=	1.690 / 7.4	V=	1.765 / 10.4	W=	.003159 / 2.0	T=	.267 / 11.5		
LAT=	60.0	U=	1.843 / 7.4	V=	1.897 / 10.4	W=	.002065 / 2.0	T=	.177 / 11.5		
LAT=	66.0	U=	1.733 / 7.4	V=	1.741 / 10.4	W=	.001157 / 2.1	T=	.099 / 11.6		
LAT=	72.0	U=	1.409 / 7.4	V=	1.394 / 10.4	W=	.000578 / 2.2	T=	.050 / 11.6		
LAT=	78.0	U=	1.015 / 7.4	V=	.942 / 10.4	W=	.000366 / 2.1	T=	.032 / 11.6		
LAT=	84.0	U=	.483 / 7.4	V=	.433 / 10.5	W=	.000103 / 2.0	T=	.009 / 11.4		
Z = 90.176 KM											
LAT=	0.0	U=	0.000 / 3.1	V=	1.276 / 9.2	W=	0.000000 / .7	T=	0.000 / 9.4		
LAT=	6.0	U=	.037 / .0	V=	.878 / 9.1	W=	.002858 / 6.1	T=	.222 / 3.5		
LAT=	12.0	U=	.188 / .1	V=	.043 / 5.4	W=	.004170 / 6.0	T=	.325 / 3.5		
LAT=	18.0	U=	.427 / .1	V=	.427 / 3.3	W=	.003274 / 5.9	T=	.259 / 3.4		
LAT=	24.0	U=	.573 / .1	V=	1.381 / 3.3	W=	.000778 / 5.0	T=	.071 / 2.3		
LAT=	30.0	U=	.425 / .0	V=	1.111 / 3.2	W=	.002500 / .6	T=	.132 / 10.2		
LAT=	36.0	U=	.127 / 7.5	V=	.341 / 3.0	W=	.004782 / .4	T=	.369 / 9.9		
LAT=	42.0	U=	.875 / 6.5	V=	.737 / 9.5	W=	.005670 / .4	T=	.440 / 9.9		
LAT=	48.0	U=	1.653 / 6.4	V=	1.668 / 9.4	W=	.005237 / .4	T=	.407 / 9.9		
LAT=	54.0	U=	2.205 / 6.4	V=	2.306 / 9.4	W=	.004022 / .4	T=	.315 / 9.9		
LAT=	60.0	U=	2.412 / 6.4	V=	2.461 / 9.4	W=	.002636 / .5	T=	.209 / 10.0		
LAT=	66.0	U=	2.265 / 6.4	V=	2.278 / 9.4	W=	.001463 / .5	T=	.116 / 10.1		
LAT=	72.0	U=	1.847 / 6.4	V=	1.821 / 9.4	W=	.000733 / .7	T=	.058 / 10.2		
LAT=	78.0	U=	1.023 / 6.4	V=	1.231 / 9.4	W=	.000472 / .5	T=	.037 / 10.0		
LAT=	84.0	U=	.629 / 6.4	V=	.567 / 9.4	W=	.000147 / .0	T=	.011 / 9.5		

Table B4. Amplitude and Phase for the (2,5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200, \text{ and } 1400 \text{ K}$ (contd)

T₀ = 1000 K

Z = 93.363 KM

LAT= 0.0	U= 0.000 / 3.2	V= 1.360 / 7.6	W= 0.000000 / .6	T= 0.000 / 9.4
LAT= 6.0	U= .043 / 10.6	V= .972 / 7.6	W= .004759 / 4.6	T= .353 / 1.9
LAT= 12.0	U= .211 / 10.6	V= .063 / 5.3	W= .007026 / 4.6	T= .526 / 1.9
LAT= 18.0	U= .478 / 10.6	V= .989 / 1.8	W= .005733 / 4.5	T= .433 / 1.8
LAT= 24.0	U= .655 / 10.6	V= 1.519 / 1.8	W= .001810 / 3.7	T= .151 / 1.0
LAT= 30.0	U= .515 / 10.4	V= 1.310 / 1.8	W= .003444 / 11.2	T= .244 / 8.7
LAT= 36.0	U= .134 / 7.2	V= .457 / 1.5	W= .007069 / 11.0	T= .509 / 8.4
LAT= 42.0	U= .894 / 5.1	V= .722 / 8.1	W= .008537 / 10.9	T= .619 / 8.3
LAT= 48.0	U= 1.765 / 5.0	V= 1.802 / 8.0	W= .007940 / 10.9	T= .578 / 8.3
LAT= 54.0	U= 2.403 / 5.0	V= 2.511 / 8.0	W= .006095 / 10.9	T= .446 / 8.3
LAT= 60.0	U= 2.675 / 5.0	V= 2.748 / 8.0	W= .003987 / 11.0	T= .295 / 8.4
LAT= 66.0	U= 2.541 / 5.0	V= 2.558 / 8.0	W= .002200 / 11.0	T= .162 / 8.5
LAT= 72.0	U= 2.101 / 5.1	V= 2.069 / 8.1	W= .001043 / 11.2	T= .080 / 8.7
LAT= 78.0	U= 1.519 / 5.1	V= 1.409 / 8.1	W= .000778 / 11.0	T= .058 / 8.4
LAT= 84.0	U= .720 / 5.1	V= .653 / 8.2	W= .000265 / 10.7	T= .019 / 8.0

Z = 96.638 KM

LAT= 0.0	U= 0.000 / 7.8	V= 1.877 / 5.8	W= 0.000000 / .5	T= 0.000 / 9.4
LAT= 6.0	U= .056 / 9.1	V= 1.347 / 5.7	W= .006435 / 3.5	T= .500 / .8
LAT= 12.0	U= .284 / 8.8	V= .069 / 4.5	W= .009694 / 3.5	T= .748 / .7
LAT= 18.0	U= .651 / 8.8	V= 1.293 / 11.9	W= .008308 / 3.4	T= .638 / .6
LAT= 24.0	U= .894 / 8.7	V= 1.983 / 11.9	W= .003237 / 2.9	T= .261 / .1
LAT= 30.0	U= .726 / 8.6	V= 1.696 / 11.9	W= .003834 / 10.3	T= .261 / 7.7
LAT= 36.0	U= .166 / 6.3	V= .586 / 11.9	W= .009065 / 9.9	T= .612 / 7.3
LAT= 42.0	U= 1.024 / 3.4	V= .869 / 6.3	W= .011608 / 9.8	T= .765 / 7.2
LAT= 48.0	U= 2.058 / 3.3	V= 2.151 / 6.3	W= .011291 / 9.8	T= .722 / 7.2
LAT= 54.0	U= 2.780 / 3.4	V= 2.935 / 6.4	W= .009045 / 9.8	T= .563 / 7.2
LAT= 60.0	U= 3.043 / 3.4	V= 3.131 / 6.4	W= .006188 / 9.9	T= .373 / 7.3
LAT= 66.0	U= 2.819 / 3.5	V= 2.838 / 6.5	W= .003621 / 10.0	T= .209 / 7.3
LAT= 72.0	U= 2.289 / 3.6	V= 2.235 / 6.6	W= .001828 / 10.1	T= .103 / 7.5
LAT= 78.0	U= 1.608 / 3.7	V= 1.481 / 6.7	W= .001345 / 10.1	T= .075 / 7.4
LAT= 84.0	U= .767 / 3.7	V= .672 / 6.9	W= .000323 / 9.5	T= .019 / 6.9

Z = 100.017 KM

LAT= 0.0	U= 0.000 / 7.3	V= 2.797 / 4.5	W= 0.000000 / .4	T= 0.000 / 9.5
LAT= 6.0	U= .101 / 7.7	V= 2.050 / 4.5	W= .007528 / 2.2	T= .619 / 11.5
LAT= 12.0	U= .435 / 7.6	V= .224 / 3.8	W= .011606 / 2.2	T= .955 / 11.5
LAT= 18.0	U= .968 / 7.6	V= 1.740 / 10.7	W= .010474 / 2.1	T= .866 / 11.5
LAT= 24.0	U= 1.360 / 7.5	V= 2.903 / 10.7	W= .004810 / 2.0	T= .420 / 11.3
LAT= 30.0	U= 1.203 / 7.4	V= 2.644 / 10.7	W= .003136 / 8.9	T= .218 / 5.6
LAT= 36.0	U= .414 / 6.1	V= 1.151 / 10.5	W= .009864 / 8.6	T= .722 / 6.0
LAT= 42.0	U= 1.274 / 2.4	V= .949 / 5.2	W= .013655 / 8.6	T= 1.000 / 6.0
LAT= 48.0	U= 2.823 / 2.1	V= 2.666 / 5.0	W= .013978 / 8.7	T= 1.013 / 6.0
LAT= 54.0	U= 4.006 / 2.1	V= 4.276 / 5.0	W= .011688 / 8.8	T= .838 / 6.1
LAT= 60.0	U= 4.528 / 2.1	V= 4.778 / 5.0	W= .008334 / 9.0	T= .588 / 6.3
LAT= 66.0	U= 4.319 / 2.1	V= 4.348 / 5.1	W= .005136 / 9.2	T= .358 / 6.4
LAT= 72.0	U= 3.578 / 2.1	V= 3.530 / 5.2	W= .002795 / 9.4	T= .192 / 6.6
LAT= 78.0	U= 2.578 / 2.2	V= 2.379 / 5.2	W= .001987 / 9.3	T= .136 / 6.6
LAT= 84.0	U= 1.216 / 2.2	V= 1.060 / 5.3	W= .000438 / 7.8	T= .028 / 5.3

Z = 103.521 KM

LAT= 0.0	U= 0.000 / 5.9	V= 3.728 / 3.1	W= .000002 / 11.8	T= 0.000 / 9.0
LAT= 6.0	U= .190 / 6.5	V= 2.815 / 3.1	W= .008987 / .7	T= .836 / 10.1
LAT= 12.0	U= .621 / 6.3	V= .526 / 3.1	W= .013872 / .7	T= 1.110 / 10.1
LAT= 18.0	U= 1.278 / 6.1	V= 2.017 / 9.1	W= .012888 / .7	T= .31 / 10.1
LAT= 24.0	U= 1.810 / 6.1	V= 3.581 / 9.2	W= .006442 / .8	T= .655 / 10.1
LAT= 30.0	U= 1.746 / 6.0	V= 3.698 / 9.2	W= .012489 / 7.0	T= .151 / 4.3
LAT= 36.0	U= .841 / 5.5	V= 2.053 / 9.3	W= .010442 / 7.0	T= .877 / 4.3
LAT= 42.0	U= .996 / 1.0	V= .446 / 2.9	W= .015000 / 7.1	T= 1.304 / 4.5
LAT= 48.0	U= 2.922 / .6	V= 3.047 / 3.3	W= .015567 / 7.3	T= 1.369 / 4.6
LAT= 54.0	U= 4.575 / .5	V= 4.946 / 3.4	W= .013103 / 7.5	T= 1.162 / 4.8
LAT= 60.0	U= 5.474 / .6	V= 5.747 / 3.5	W= .009369 / 7.7	T= .832 / 5.0
LAT= 66.0	U= 5.474 / .6	V= 5.629 / 3.6	W= .005795 / 8.0	T= .519 / 5.2
LAT= 72.0	U= 4.700 / .7	V= 4.645 / 3.7	W= .003185 / 8.3	T= .294 / 5.5
LAT= 78.0	U= 3.502 / .8	V= 3.256 / 3.8	W= .002379 / 8.3	T= .213 / 5.5
LAT= 84.0	U= 1.647 / .8	V= 1.522 / 3.9	W= .000556 / 7.0	T= .045 / 4.2

Table B4. Amplitude and Phase for the (2,5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

										T_0 1000 K
Z= 107.177 KM										
LAT= 0.0	U=	.002 / 4.2	V=	4.575 / 1.5	W=	.000002 / 10.7	T=	0.000 / 7.8		
LAT= 6.0	U=	.300 / 5.2	V=	3.547 / 1.6	W=	.009955 / 11.1	T=	1.114 / 8.4		
LAT= 12.0	U=	.806 / 4.9	V=	.955 / 1.9	W=	.015631 / 11.1	T=	1.767 / 8.4		
LAT= 18.0	U=	1.530 / 4.6	V=	2.093 / 7.3	W=	.014791 / 11.2	T=	1.709 / 8.5		
LAT= 24.0	U=	2.151 / 4.5	V=	4.183 / 7.5	W=	.008142 / 11.3	T=	1.006 / 8.7		
LAT= 30.0	U=	2.198 / 4.4	V=	4.526 / 7.7	W=	.001323 / 4.9	T=	.095 / .2		
LAT= 36.0	U=	1.356 / 4.3	V=	3.078 / 7.9	W=	.009834 / 5.4	T=	.996 / 2.5		
LAT= 42.0	U=	.412 / 11.7	V=	.696 / 9.5	W=	.014877 / 5.5	T=	1.586 / 2.7		
LAT= 48.0	U=	2.418 / 10.9	V=	2.498 / 1.4	W=	.015733 / 5.7	T=	1.720 / 2.9		
LAT= 54.0	U=	4.261 / 10.9	V=	4.659 / 1.7	W=	.013399 / 5.9	T=	1.491 / 3.2		
LAT= 60.0	U=	5.362 / 10.9	V=	5.761 / 1.9	W=	.009634 / 6.2	T=	1.086 / 3.4		
LAT= 66.0	U=	5.552 / 11.0	V=	5.754 / 2.0	W=	.005963 / 6.5	T=	.688 / 3.7		
LAT= 72.0	U=	4.858 / 11.2	V=	4.873 / 2.2	W=	.003237 / 6.8	T=	.375 / 4.0		
LAT= 78.0	U=	3.733 / 11.3	V=	3.435 / 2.3	W=	.002560 / 6.8	T=	.300 / 4.0		
LAT= 84.0	U=	1.754 / 11.3	V=	1.616 / 2.4	W=	.000524 / 6.1	T=	.060 / 3.3		
Z= 111.019 KM										
LAT= 0.0	U=	.002 / 2.5	V=	4.843 / .0	W=	.000002 / 9.4	T=	0.000 / 6.4		
LAT= 6.0	U=	.390 / 3.7	V=	3.858 / .1	W=	.010313 / 9.5	T=	1.362 / 6.6		
LAT= 12.0	U=	.905 / 3.4	V=	1.304 / .5	W=	.016414 / 9.5	T=	2.190 / 6.7		
LAT= 18.0	U=	1.563 / 3.1	V=	1.772 / 5.5	W=	.016037 / 9.6	T=	2.185 / 6.8		
LAT= 24.0	U=	2.140 / 2.9	V=	3.938 / 5.9	W=	.009787 / 9.7	T=	1.412 / 6.9		
LAT= 30.0	U=	2.256 / 2.9	V=	4.664 / 6.1	W=	.000675 / 10.9	T=	.265 / 8.1		
LAT= 36.0	U=	1.625 / 2.8	V=	3.621 / 6.4	W=	.008093 / 3.7	T=	.946 / .7		
LAT= 42.0	U=	.272 / 1.9	V=	1.550 / 7.2	W=	.013487 / 3.9	T=	1.632 / 1.0		
LAT= 48.0	U=	1.582 / 9.2	V=	1.503 / 11.1	W=	.014825 / 4.1	T=	1.920 / 1.2		
LAT= 54.0	U=	3.295 / 9.2	V=	3.599 / 11.9	W=	.013011 / 4.3	T=	1.724 / 1.5		
LAT= 60.0	U=	4.416 / 9.3	V=	4.793 / .2	W=	.009582 / 4.6	T=	1.293 / 1.7		
LAT= 66.0	U=	4.772 / 9.5	V=	4.978 / .4	W=	.006106 / 4.9	T=	.847 / 2.0		
LAT= 72.0	U=	4.272 / 9.6	V=	4.315 / .6	W=	.003381 / 5.1	T=	.474 / 2.3		
LAT= 78.0	U=	3.414 / 9.8	V=	3.084 / .8	W=	.002782 / 5.1	T=	.388 / 2.2		
LAT= 84.0	U=	1.588 / 9.8	V=	1.438 / .9	W=	.000511 / 4.4	T=	.071 / 1.5		
Z= 115.091 KM										
LAT= 0.0	U=	.002 / .9	V=	4.552 / 10.6	W=	.000002 / 8.0	T=	0.000 / 4.9		
LAT= 6.0	U=	.418 / 2.3	V=	3.718 / 10.7	W=	.010498 / 8.0	T=	1.506 / 5.0		
LAT= 12.0	U=	.886 / 2.0	V=	1.537 / 11.2	W=	.016950 / 8.0	T=	2.450 / 5.0		
LAT= 18.0	U=	1.407 / 1.7	V=	1.310 / 3.7	W=	.017119 / 8.1	T=	2.517 / 5.1		
LAT= 24.0	U=	1.856 / 1.5	V=	3.341 / 4.3	W=	.011459 / 8.2	T=	1.761 / 5.3		
LAT= 30.0	U=	1.978 / 1.4	V=	4.183 / 4.6	W=	.002652 / 8.6	T=	.556 / 5.8		
LAT= 36.0	U=	1.554 / 1.3	V=	3.601 / 4.9	W=	.006039 / 2.1	T=	.731 / 10.8		
LAT= 42.0	U=	.545 / 1.1	V=	2.013 / 5.5	W=	.011789 / 2.4	T=	1.569 / 11.3		
LAT= 48.0	U=	.869 / 7.8	V=	1.015 / 8.5	W=	.013718 / 2.6	T=	1.894 / 11.5		
LAT= 54.0	U=	2.274 / 7.8	V=	2.438 / 10.2	W=	.012545 / 2.8	T=	1.776 / 11.8		
LAT= 60.0	U=	3.282 / 7.9	V=	3.571 / 10.7	W=	.009528 / 3.1	T=	1.381 / .1		
LAT= 66.0	U=	3.735 / 8.0	V=	3.909 / 10.9	W=	.006334 / 3.3	T=	.946 / .4		
LAT= 72.0	U=	3.455 / 8.1	V=	3.511 / 11.2	W=	.003634 / 3.6	T=	.552 / .6		
LAT= 78.0	U=	2.897 / 8.3	V=	2.575 / 11.3	W=	.003045 / 3.5	T=	.446 / .4		
LAT= 84.0	U=	1.336 / 8.3	V=	1.211 / 11.5	W=	.000612 / 2.7	T=	.084 / 11.5		
Z= 119.451 KM										
LAT= 0.0	U=	.002 / 11.6	V=	4.002 / 9.4	W=	.000002 / 6.6	T=	0.000 / 3.8		
LAT= 6.0	U=	.339 / 1.0	V=	3.334 / 9.5	W=	.010832 / 6.7	T=	1.519 / 3.6		
LAT= 12.0	U=	.797 / .8	V=	1.629 / 10.0	W=	.017741 / 6.8	T=	2.502 / 3.6		
LAT= 18.0	U=	1.196 / .5	V=	.938 / 1.9	W=	.018483 / 6.8	T=	2.642 / 3.7		
LAT= 24.0	U=	1.526 / .3	V=	2.636 / 2.9	W=	.013336 / 6.9	T=	1.972 / 3.9		
LAT= 30.0	U=	1.634 / .1	V=	3.502 / 3.3	W=	.004782 / 7.3	T=	.830 / 4.3		
LAT= 36.0	U=	1.356 / .1	V=	3.248 / 3.6	W=	.004300 / .5	T=	.474 / 8.9		
LAT= 42.0	U=	.640 / .0	V=	2.127 / 4.1	W=	.010543 / 1.0	T=	1.321 / 9.7		
LAT= 48.0	U=	.403 / 6.5	V=	.961 / 5.9	W=	.013185 / 1.2	T=	1.724 / 10.0		
LAT= 54.0	U=	1.500 / 6.4	V=	1.582 / 8.5	W=	.012555 / 1.4	T=	1.700 / 10.3		
LAT= 60.0	U=	2.349 / 6.5	V=	2.543 / 9.3	W=	.009953 / 1.7	T=	1.373 / 10.6		
LAT= 66.0	U=	2.821 / 6.7	V=	2.953 / 9.6	W=	.006940 / 1.9	T=	.983 / 10.8		
LAT= 72.0	U=	2.711 / 6.9	V=	2.761 / 9.9	W=	.004080 / 2.1	T=	.586 / 11.0		
LAT= 78.0	U=	2.388 / 7.0	V=	2.099 / 10.1	W=	.003302 / 2.0	T=	.450 / 10.8		
LAT= 84.0	U=	1.099 / 7.1	V=	1.019 / 10.4	W=	.000683 / 1.1	T=	.082 / 9.8		

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

Z = 124.175 KM										$T_0 = 1000$ K	
LAT= 0.0	U= .002	/ 10.7	V= 3.421	/ 8.3	W= .000002	/ 5.4	T= 0.000	/ 3.0			
LAT= 6.0	U= .362	/ 11.9	V= 2.809	/ 8.4	W= .011330	/ 5.7	T= 1.425	/ 2.5			
LAT= 12.0	U= .700	/ 11.7	V= 1.537	/ 8.9	W= .018806	/ 5.7	T= 2.375	/ 2.5			
LAT= 18.0	U= 1.011	/ 11.4	V= .787	/ 2	W= .020123	/ 5.8	T= 2.569	/ 2.6			
LAT= 24.0	U= 1.265	/ 11.1	V= 2.093	/ 1.7	W= .015384	/ 5.9	T= 2.019	/ 2.8			
LAT= 30.0	U= 1.384	/ 11.0	V= 2.301	/ 2.1	W= .006905	/ 6.3	T= 1.011	/ 3.2			
LAT= 36.0	U= 1.193	/ 10.9	V= 2.816	/ 2.4	W= .003284	/ 10.7	T= .343	/ 6.7			
LAT= 42.0	U= .668	/ 11.0	V= 2.050	/ 2.9	W= .009963	/ 11.7	T= 1.080	/ 8.4			
LAT= 48.0	U= .116	/ 4.8	V= 1.047	/ 4.2	W= .013459	/ 11.9	T= 1.532	/ 8.7			
LAT= 54.0	U= .974	/ 5.2	V= 1.071	/ 6.9	W= .013603	/ 2	T= 1.595	/ 9.0			
LAT= 60.0	U= 1.677	/ 5.3	V= 1.804	/ 7.9	W= .011192	/ 4	T= 1.345	/ 9.2			
LAT= 66.0	U= 2.121	/ 5.6	V= 2.211	/ 8.4	W= .008203	/ 6	T= 1.009	/ 9.5			
LAT= 72.0	U= 2.112	/ 5.7	V= 2.155	/ 8.7	W= .004940	/ 8	T= .614	/ 9.6			
LAT= 78.0	U= 1.933	/ 5.8	V= 1.698	/ 9.0	W= .003761	/ 6	T= .433	/ 9.3			
LAT= 84.0	U= .888	/ 6.0	V= .866	/ 9.5	W= .000735	/ 11.6	T= .067	/ 8.4			
Z = 129.357 KM											
LAT= 0.0	U= .002	/ 10.0	V= 2.944	/ 7.4	W= .000004	/ 4.3	T= 0.000	/ 2.4			
LAT= 6.0	U= .325	/ 11.0	V= 2.509	/ 7.5	W= .011623	/ 4.7	T= 1.272	/ 1.6			
LAT= 12.0	U= .616	/ 10.7	V= 1.349	/ 7.9	W= .019849	/ 4.8	T= 2.144	/ 1.6			
LAT= 18.0	U= .873	/ 10.4	V= .694	/ 10.9	W= .021724	/ 4.9	T= 2.371	/ 1.7			
LAT= 24.0	U= 1.088	/ 10.1	V= 1.718	/ 6	W= .017364	/ 5.0	T= 1.948	/ 1.9			
LAT= 30.0	U= 1.185	/ 9.9	V= 2.442	/ 1.0	W= .008935	/ 5.5	T= 1.093	/ 2.3			
LAT= 36.0	U= 1.058	/ 9.9	V= 2.472	/ 1.4	W= .003295	/ 8.8	T= .366	/ 4.7			
LAT= 42.0	U= .668	/ 10.1	V= 1.905	/ 1.9	W= .009858	/ 10.5	T= .897	/ 7.2			
LAT= 48.0	U= .106	/ 2	V= 1.095	/ 2.8	W= .014252	/ 10.9	T= 1.371	/ 7.6			
LAT= 54.0	U= .657	/ 3.8	V= .823	/ 5.2	W= .015131	/ 11.2	T= 1.500	/ 7.9			
LAT= 60.0	U= 1.231	/ 4.1	V= 1.306	/ 6.7	W= .013052	/ 11.4	T= 1.325	/ 8.2			
LAT= 66.0	U= 1.616	/ 4.4	V= 1.670	/ 7.3	W= .010026	/ 11.6	T= 1.039	/ 8.4			
LAT= 72.0	U= 1.649	/ 4.6	V= 1.688	/ 7.7	W= .006198	/ 11.8	T= .644	/ 8.5			
LAT= 78.0	U= 1.545	/ 4.7	V= 1.375	/ 8.0	W= .004478	/ 11.4	T= .429	/ 8.1			
LAT= 84.0	U= .711	/ 4.9	V= .739	/ 8.5	W= .000720	/ 10.3	T= .050	/ 7.3			
Z = 135.169 KM											
LAT= 0.0	U= .002	/ 9.6	V= 2.553	/ 6.4	W= .000004	/ 3.5	T= 0.000	/ 2.0			
LAT= 6.0	U= .291	/ 10.1	V= 2.198	/ 6.5	W= .012157	/ 3.9	T= 1.106	/ 1.8			
LAT= 12.0	U= .547	/ 9.8	V= 1.265	/ 7.0	W= .020003	/ 4.0	T= 1.884	/ 1.9			
LAT= 18.0	U= .778	/ 9.5	V= .627	/ 9.7	W= .022568	/ 4.1	T= 2.129	/ 1.0			
LAT= 24.0	U= .975	/ 9.2	V= 1.457	/ 11.5	W= .019009	/ 4.3	T= 1.815	/ 1.2			
LAT= 30.0	U= 1.067	/ 9.0	V= 2.103	/ 0	W= .010726	/ 4.7	T= 1.108	/ 1.6			
LAT= 36.0	U= .961	/ 9.0	V= 2.198	/ 4	W= .004078	/ 7.3	T= .433	/ 3.4			
LAT= 42.0	U= .634	/ 9.3	V= 1.765	/ 9	W= .009905	/ 9.5	T= .769	/ 6.1			
LAT= 48.0	U= .188	/ 11.1	V= 1.106	/ 1.7	W= .015037	/ 10.0	T= 1.237	/ 6.7			
LAT= 54.0	U= .530	/ 2.5	V= .739	/ 3.6	W= .016612	/ 10.3	T= 1.414	/ 7.1			
LAT= 60.0	U= 1.004	/ 2.9	V= 1.022	/ 5.4	W= .014922	/ 10.6	T= 1.304	/ 7.3			
LAT= 66.0	U= 1.321	/ 3.3	V= 1.330	/ 6.1	W= .011894	/ 10.8	T= 1.058	/ 7.5			
LAT= 72.0	U= 1.351	/ 3.5	V= 1.384	/ 6.5	W= .007513	/ 11.0	T= .670	/ 7.6			
LAT= 78.0	U= 1.274	/ 2.6	V= 1.189	/ 6.9	W= .005203	/ 10.5	T= .431	/ 7.1			
LAT= 84.0	U= .591	/ 3.8	V= .657	/ 7.4	W= .000582	/ 9.0	T= .034	/ 6.7			
Z = 141.772 KM											
LAT= 0.0	U= .002	/ 9.4	V= 2.274	/ 5.6	W= .000004	/ 3.0	T= 0.000	/ 1.7			
LAT= 6.0	U= .259	/ 9.3	V= 1.961	/ 5.7	W= .012332	/ 3.2	T= .953	/ 1			
LAT= 12.0	U= .490	/ 9.0	V= 1.157	/ 6.1	W= .021050	/ 3.2	T= 1.640	/ 1.2			
LAT= 18.0	U= .716	/ 8.7	V= .569	/ 8.6	W= .023791	/ 3.4	T= 1.890	/ 1.3			
LAT= 24.0	U= .899	/ 8.4	V= 1.256	/ 10.6	W= .020211	/ 3.6	T= 1.662	/ 1.5			
LAT= 30.0	U= .978	/ 8.2	V= 1.849	/ 11.1	W= .012181	/ 4.1	T= 1.084	/ 1.9			
LAT= 36.0	U= .871	/ 8.3	V= 1.970	/ 11.5	W= .005103	/ 6.2	T= .487	/ 2.4			
LAT= 42.0	U= .571	/ 8.6	V= 1.649	/ 11.9	W= .009888	/ 8.6	T= .679	/ 5.1			
LAT= 48.0	U= .190	/ 10.5	V= 1.101	/ 7	W= .015444	/ 9.2	T= 1.116	/ 5.9			
LAT= 54.0	U= .500	/ 1.5	V= .726	/ 2.4	W= .017543	/ 9.6	T= 1.319	/ 6.3			
LAT= 60.0	U= .922	/ 1.9	V= .868	/ 4.1	W= .016228	/ 9.9	T= 1.256	/ 6.5			
LAT= 66.0	U= 1.164	/ 2.2	V= 1.164	/ 5.0	W= .013274	/ 10.1	T= 1.045	/ 6.7			
LAT= 72.0	U= 1.209	/ 2.4	V= 1.241	/ 5.4	W= .008530	/ 10.3	T= .675	/ 6.8			
LAT= 78.0	U= 1.142	/ 2.4	V= 1.069	/ 5.8	W= .005692	/ 9.7	T= .425	/ 6.3			
LAT= 84.0	U= .537	/ 2.7	V= .626	/ 6.3	W= .000420	/ 7.9	T= .028	/ 6.3			

Table B4. Amplitude and Phase for the (2,5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1000$ K										
Z = 149.425 KM										
LAT= 0.0	U=	.002 / 9.2	V=	2.045 / 4.8	W=	.000004 / 2.6	T=	0.000 / 1.3		
LAT= 6.0	U=	.228 / 8.4	V=	1.774 / 4.9	W=	.012457 / 2.5	T=	.823 / 11.4		
LAT= 12.0	U=	.450 / 8.2	V=	1.076 / 5.3	W=	.021362 / 2.5	T=	1.431 / 11.5		
LAT= 18.0	U=	.662 / 7.9	V=	.519 / 7.6	W=	.024375 / 2.7	T=	1.672 / 11.6		
LAT= 24.0	U=	.830 / 7.7	V=	1.062 / 9.7	W=	.021108 / 2.9	T=	1.509 / 11.8		
LAT= 30.0	U=	.888 / 7.6	V=	1.631 / 10.2	W=	.013358 / 3.4	T=	1.037 / 1.3		
LAT= 36.0	U=	.776 / 7.6	V=	1.760 / 10.6	W=	.006121 / 5.2	T=	.522 / 1.6		
LAT= 42.0	U=	.498 / 7.9	V=	1.517 / 11.1	W=	.009795 / 7.7	T=	.614 / 4.1		
LAT= 48.0	U=	.151 / 9.9	V=	1.071 / 11.8	W=	.015483 / 8.5	T=	1.000 / 5.1		
LAT= 54.0	U=	.466 / .8	V=	.713 / 1.3	W=	.017907 / 8.9	T=	1.203 / 5.5		
LAT= 60.0	U=	.860 / 1.1	V=	.813 / 3.1	W=	.016886 / 9.2	T=	1.172 / 5.7		
LAT= 66.0	U=	1.110 / 1.4	V=	1.069 / 4.0	W=	.014034 / 9.4	T=	.994 / 6.0		
LAT= 72.0	U=	1.123 / 1.5	V=	1.170 / 4.5	W=	.009136 / 9.6	T=	.651 / 6.0		
LAT= 78.0	U=	1.067 / 1.5	V=	1.041 / 4.8	W=	.005909 / 9.0	T=	.405 / 5.6		
LAT= 84.0	U=	.513 / 1.8	V=	.653 / 5.3	W=	.000282 / 7.6	T=	.030 / 5.9		
Z = 158.420 KM										
LAT= 0.0	U=	.002 / 8.8	V=	1.853 / 4.0	W=	.000006 / 2.3	T=	0.000 / 1.0		
LAT= 6.0	U=	.203 / 7.6	V=	1.619 / 4.1	W=	.012642 / 1.8	T=	.718 / 10.7		
LAT= 12.0	U=	.403 / 7.4	V=	1.011 / 4.5	W=	.021746 / 1.8	T=	1.256 / 10.8		
LAT= 18.0	U=	.593 / 7.2	V=	.478 / 6.6	W=	.024983 / 2.0	T=	1.483 / 10.9		
LAT= 24.0	U=	.739 / 7.1	V=	.922 / 8.8	W=	.021963 / 2.3	T=	1.364 / 11.2		
LAT= 30.0	U=	.784 / 7.0	V=	1.422 / 9.4	W=	.014448 / 2.8	T=	.974 / 11.7		
LAT= 36.0	U=	.681 / 7.0	V=	1.588 / 9.8	W=	.007164 / 4.4	T=	.539 / .9		
LAT= 42.0	U=	.444 / 7.3	V=	1.405 / 10.3	W=	.009828 / 6.8	T=	.567 / 3.2		
LAT= 48.0	U=	.142 / 9.1	V=	1.006 / 11.0	W=	.015526 / 7.7	T=	.690 / 4.3		
LAT= 54.0	U=	.397 / .1	V=	.668 / .4	W=	.018150 / 8.1	T=	1.075 / 4.7		
LAT= 60.0	U=	.759 / .4	V=	.706 / 2.1	W=	.017397 / 8.4	T=	1.063 / 5.0		
LAT= 66.0	U=	.996 / .6	V=	.963 / 3.1	W=	.014593 / 8.7	T=	.909 / 5.2		
LAT= 72.0	U=	1.015 / .7	V=	1.078 / 3.6	W=	.009573 / 8.8	T=	.603 / 5.3		
LAT= 78.0	U=	.972 / .6	V=	.983 / 4.0	W=	.005998 / 8.3	T=	.371 / 4.9		
LAT= 84.0	U=	.485 / 1.0	V=	.657 / 4.5	W=	.000310 / 9.0	T=	.039 / 5.3		
Z = 181.310 KM										
LAT= 0.0	U=	0.000 / 8.2	V=	1.556 / 2.6	W=	.000009 / 1.8	T=	0.000 / .6		
LAT= 6.0	U=	.153 / 6.0	V=	1.379 / 2.7	W=	.013381 / .5	T=	.573 / 9.5		
LAT= 12.0	U=	.304 / 5.9	V=	.916 / 3.1	W=	.023125 / .6	T=	1.004 / 9.6		
LAT= 18.0	U=	.446 / 5.8	V=	.442 / 4.6	W=	.026864 / .7	T=	1.198 / 9.8		
LAT= 24.0	U=	.550 / 5.8	V=	.664 / 7.1	W=	.024196 / 1.0	T=	1.127 / 10.1		
LAT= 30.0	U=	.584 / 5.8	V=	1.063 / 7.8	W=	.016905 / 1.6	T=	.853 / 10.6		
LAT= 36.0	U=	.522 / 6.0	V=	1.237 / 8.3	W=	.009627 / 3.0	T=	.543 / 11.8		
LAT= 42.0	U=	.384 / 6.4	V=	1.140 / 8.7	W=	.011188 / 5.2	T=	.526 / 1.7		
LAT= 48.0	U=	.220 / 7.7	V=	.845 / 9.3	W=	.017157 / 6.1	T=	.744 / 2.8		
LAT= 54.0	U=	.308 / 10.1	V=	.541 / 10.5	W=	.020519 / 6.6	T=	.881 / 3.3		
LAT= 60.0	U=	.586 / 10.6	V=	.534 / .4	W=	.020198 / 6.8	T=	.881 / 3.5		
LAT= 66.0	U=	.784 / 10.9	V=	.726 / 1.5	W=	.017192 / 7.1	T=	.759 / 3.8		
LAT= 72.0	U=	.808 / 11.0	V=	.828 / 2.0	W=	.011442 / 7.2	T=	.513 / 3.9		
LAT= 78.0	U=	.752 / 11.0	V=	.763 / 2.5	W=	.006754 / 6.7	T=	.300 / 3.5		
LAT= 84.0	U=	.384 / 11.5	V=	.552 / 3.2	W=	.000804 / 8.8	T=	.054 / 4.2		
Z = 209.865 KM										
LAT= 0.0	U=	0.000 / 7.7	V=	1.388 / 1.5	W=	.000011 / 1.2	T=	0.000 / .4		
LAT= 6.0	U=	.114 / 4.4	V=	1.246 / 1.5	W=	.014461 / 11.4	T=	.496 / 8.7		
LAT= 12.0	U=	.228 / 4.4	V=	.873 / 1.9	W=	.025009 / 11.6	T=	.871 / 8.8		
LAT= 18.0	U=	.336 / 4.5	V=	.481 / 3.2	W=	.029179 / 11.7	T=	1.043 / 9.1		
LAT= 24.0	U=	.418 / 4.6	V=	.556 / 5.5	W=	.026619 / .0	T=	.991 / 9.4		
LAT= 30.0	U=	.453 / 4.8	V=	.871 / 6.4	W=	.019205 / .6	T=	.776 / 10.0		
LAT= 36.0	U=	.422 / 5.1	V=	1.037 / 6.9	W=	.011879 / 2.0	T=	.543 / 11.1		
LAT= 42.0	U=	.362 / 5.8	V=	.985 / 7.4	W=	.013580 / 4.0	T=	.541 / .7		
LAT= 48.0	U=	.310 / 6.9	V=	.759 / 7.9	W=	.020356 / 5.0	T=	.718 / 1.7		
LAT= 54.0	U=	.369 / 8.3	V=	.489 / 9.0	W=	.024638 / 5.5	T=	.836 / 2.2		
LAT= 60.0	U=	.567 / 9.0	V=	.444 / 10.9	W=	.024761 / 5.7	T=	.841 / 2.5		
LAT= 66.0	U=	.720 / 9.5	V=	.598 / .0	W=	.021334 / 6.0	T=	.720 / 2.8		
LAT= 72.0	U=	.735 / 9.5	V=	.681 / .6	W=	.014526 / 6.1	T=	.496 / 2.8		
LAT= 78.0	U=	.651 / 9.5	V=	.608 / 1.0	W=	.008478 / 5.6	T=	.278 / 2.4		
LAT= 84.0	U=	.310 / 10.1	V=	.418 / 1.9	W=	.001287 / 7.1	T=	.058 / 3.2		

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1000$ K									
Z = 240.988 KM									
LAT= 0.0	U=	0.000 / 7.3	V=	1.330 / .7	W=	.000013 / .8	T=	0.000 / .4	
LAT= 6.0	U=	.103 / 3.1	V=	1.200 / .8	W=	.015403 / 10.8	T=	.463 / 8.3	
LAT= 12.0	U=	.203 / 3.2	V=	.869 / 1.2	W=	.026595 / 10.9	T=	.815 / 8.4	
LAT= 18.0	U=	.293 / 3.4	V=	.526 / 2.4	W=	.031026 / 11.1	T=	.976 / 8.7	
LAT= 24.0	U=	.364 / 3.6	V=	.563 / 4.4	W=	.028429 / 11.4	T=	.935 / 9.1	
LAT= 30.0	U=	.397 / 3.9	V=	.834 / 5.4	W=	.020754 / .0	T=	.746 / 9.6	
LAT= 36.0	U=	.384 / 4.5	V=	.989 / 6.0	W=	.013233 / 1.4	T=	.547 / 10.7	
LAT= 42.0	U=	.369 / 5.3	V=	.953 / 6.4	W=	.015373 / 3.3	T=	.560 / .3	
LAT= 48.0	U=	.386 / 6.4	V=	.746 / 7.0	W=	.023030 / 4.3	T=	.731 / 1.2	
LAT= 54.0	U=	.463 / 7.4	V=	.491 / 8.0	W=	.028099 / 4.8	T=	.847 / 1.7	
LAT= 60.0	U=	.636 / 8.0	V=	.442 / 9.8	W=	.028511 / 5.1	T=	.853 / 2.0	
LAT= 66.0	U=	.765 / 8.5	V=	.595 / 11.0	W=	.024662 / 5.3	T=	.731 / 2.2	
LAT= 72.0	U=	.774 / 8.5	V=	.675 / 11.5	W=	.016953 / 5.4	T=	.509 / 2.3	
LAT= 78.0	U=	.666 / 8.4	V=	.588 / 11.9	W=	.009899 / 4.9	T=	.280 / 1.9	
LAT= 84.0	U=	.306 / 9.0	V=	.375 / .8	W=	.002106 / 6.1	T=	.063 / 2.6	
Z = 272.801 KM									
LAT= 0.0	U=	0.000 / 7.0	V=	1.325 / .2	W=	.000015 / .5	T=	0.000 / .4	
LAT= 6.0	U=	.106 / 2.3	V=	1.200 / .3	W=	.016045 / 10.3	T=	.450 / 8.1	
LAT= 12.0	U=	.207 / 2.4	V=	.881 / .7	W=	.027694 / 10.4	T=	.791 / 8.3	
LAT= 18.0	U=	.293 / 2.7	V=	.500 / 1.9	W=	.032325 / 10.6	T=	.950 / 8.5	
LAT= 24.0	U=	.358 / 3.0	V=	.599 / 3.8	W=	.029677 / 11.0	T=	.912 / 8.9	
LAT= 30.0	U=	.388 / 3.4	V=	.860 / 4.9	W=	.021713 / 11.6	T=	.733 / 9.5	
LAT= 36.0	U=	.381 / 4.1	V=	1.013 / 5.4	W=	.013853 / 1.0	T=	.550 / 10.6	
LAT= 42.0	U=	.390 / 5.0	V=	.978 / 5.9	W=	.016315 / 3.0	T=	.573 / .1	
LAT= 48.0	U=	.446 / 6.1	V=	.769 / 6.4	W=	.024625 / 4.0	T=	.746 / 1.0	
LAT= 54.0	U=	.547 / 6.9	V=	.509 / 7.5	W=	.030224 / 4.4	T=	.862 / 1.5	
LAT= 60.0	U=	.718 / 7.5	V=	.461 / 9.3	W=	.030815 / 4.7	T=	.871 / 1.7	
LAT= 66.0	U=	.838 / 7.9	V=	.629 / 10.4	W=	.026679 / 4.9	T=	.744 / 2.0	
LAT= 72.0	U=	.841 / 8.0	V=	.718 / 10.8	W=	.018287 / 5.0	T=	.519 / 2.0	
LAT= 78.0	U=	.713 / 7.9	V=	.619 / 11.3	W=	.010599 / 4.6	T=	.284 / 1.6	
LAT= 84.0	U=	.330 / 8.3	V=	.384 / .2	W=	.002797 / 5.7	T=	.065 / 2.2	
Z = 304.762 KM									
LAT= 0.0	U=	0.000 / 6.9	V=	1.338 / 11.9	W=	.000015 / .2	T=	0.000 / .4	
LAT= 6.0	U=	.114 / 1.8	V=	1.212 / .0	W=	.016373 / 10.0	T=	.446 / 8.0	
LAT= 12.0	U=	.220 / 2.0	V=	.897 / .5	W=	.028282 / 10.1	T=	.784 / 8.2	
LAT= 18.0	U=	.308 / 2.3	V=	.588 / 1.7	W=	.033058 / 10.3	T=	.942 / 8.4	
LAT= 24.0	U=	.371 / 2.6	V=	.636 / 3.5	W=	.030377 / 10.7	T=	.905 / 8.8	
LAT= 30.0	U=	.399 / 3.1	V=	.857 / 4.5	W=	.022157 / 11.3	T=	.731 / 9.4	
LAT= 36.0	U=	.392 / 3.8	V=	1.054 / 5.1	W=	.013905 / .7	T=	.554 / 10.5	
LAT= 42.0	U=	.414 / 4.9	V=	1.015 / 5.6	W=	.016502 / 2.8	T=	.582 / .0	
LAT= 48.0	U=	.496 / 5.9	V=	.802 / 6.1	W=	.025196 / 3.7	T=	.754 / .9	
LAT= 54.0	U=	.610 / 6.6	V=	.528 / 7.2	W=	.031084 / 4.2	T=	.873 / 1.4	
LAT= 60.0	U=	.784 / 7.2	V=	.481 / 9.0	W=	.031784 / 4.5	T=	.881 / 1.6	
LAT= 66.0	U=	.903 / 7.6	V=	.666 / 10.1	W=	.027556 / 4.7	T=	.754 / 1.9	
LAT= 72.0	U=	.901 / 7.7	V=	.763 / 10.6	W=	.018752 / 4.8	T=	.526 / 1.9	
LAT= 78.0	U=	.756 / 7.5	V=	.653 / 10.9	W=	.010750 / 4.3	T=	.289 / 1.5	
LAT= 84.0	U=	.351 / 8.0	V=	.399 / 11.8	W=	.003228 / 5.5	T=	.067 / 2.1	
Z = 336.754 KM									
LAT= 0.0	U=	0.000 / 6.8	V=	1.353 / 11.7	W=	.000017 / .0	T=	0.000 / .4	
LAT= 6.0	U=	.123 / 1.6	V=	1.228 / 11.9	W=	.016397 / 9.8	T=	.446 / 8.0	
LAT= 12.0	U=	.233 / 1.7	V=	.912 / .3	W=	.028353 / 9.9	T=	.764 / 8.1	
LAT= 18.0	U=	.323 / 2.0	V=	.606 / 1.6	W=	.033183 / 10.1	T=	.944 / 8.4	
LAT= 24.0	U=	.386 / 2.4	V=	.654 / 3.4	W=	.030491 / 10.4	T=	.907 / 8.8	
LAT= 30.0	U=	.412 / 2.9	V=	.931 / 4.4	W=	.022106 / 11.0	T=	.733 / 9.4	
LAT= 36.0	U=	.407 / 3.7	V=	1.001 / 4.9	W=	.013470 / .5	T=	.558 / 10.5	
LAT= 42.0	U=	.435 / 4.8	V=	1.000 / 5.4	W=	.016015 / 2.6	T=	.588 / 11.9	
LAT= 48.0	U=	.528 / 5.8	V=	.828 / 6.0	W=	.024847 / 3.6	T=	.763 / .8	
LAT= 54.0	U=	.655 / 6.5	V=	.543 / 7.0	W=	.030828 / 4.1	T=	.884 / 1.3	
LAT= 60.0	U=	.834 / 7.0	V=	.406 / 8.9	W=	.031586 / 4.4	T=	.892 / 1.6	
LAT= 66.0	U=	.948 / 7.5	V=	.694 / 10.0	W=	.027448 / 4.6	T=	.761 / 1.8	
LAT= 72.0	U=	.944 / 7.5	V=	.797 / 10.4	W=	.018530 / 4.7	T=	.532 / 1.9	
LAT= 78.0	U=	.787 / 7.4	V=	.679 / 10.8	W=	.010519 / 4.2	T=	.293 / 1.4	
LAT= 84.0	U=	.369 / 7.8	V=	.409 / 11.6	W=	.003433 / 5.4	T=	.069 / 2.0	

Table B4. Amplitude and Phase for the (2,5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T ₀ = 1000 K									
Z= 368.753 KM									
LAT= 0.0	U= 0.000 / 6.8	V= 1.366 / 11.7	W= .000019 / 11.9	T= 0.000 / .4					
LAT= 6.0	U= .127 / 1.5	V= 1.241 / 11.8	W= .016147 / 9.6	T= .448 / 7.9					
LAT= 12.0	U= .244 / 1.6	V= .922 / .3	W= .027948 / 9.7	T= .789 / 8.1					
LAT= 18.0	U= .336 / 1.9	V= .621 / 1.5	W= .032737 / 9.9	T= .950 / 8.4					
LAT= 24.0	U= .399 / 2.3	V= .683 / 3.3	W= .030056 / 10.2	T= .914 / 8.7					
LAT= 30.0	U= .425 / 2.9	V= .957 / 4.3	W= .021627 / 10.8	T= .739 / 9.4					
LAT= 36.0	U= .418 / 3.6	V= 1.119 / 4.8	W= .012651 / .3	T= .565 / 10.5					
LAT= 42.0	U= .450 / 4.7	V= 1.075 / 5.3	W= .014953 / 2.5	T= .595 / 11.9					
LAT= 48.0	U= .552 / 5.7	V= .847 / 5.9	W= .023700 / 3.5	T= .772 / .8					
LAT= 54.0	U= .683 / 6.4	V= .554 / 6.9	W= .029619 / 4.0	T= .892 / 1.3					
LAT= 60.0	U= .866 / 6.9	V= .506 / 8.8	W= .030403 / 4.3	T= .901 / 1.5					
LAT= 66.0	U= .981 / 7.4	V= .713 / 9.9	W= .026498 / 4.5	T= .769 / 1.8					
LAT= 72.0	U= .974 / 7.5	V= .821 / 10.4	W= .017750 / 4.6	T= .539 / 1.8					
LAT= 78.0	U= .810 / 7.3	V= .656 / 10.7	W= .010022 / 4.1	T= .295 / 1.4					
LAT= 84.0	U= .379 / 7.8	V= .416 / 11.6	W= .003481 / 5.4	T= .069 / 2.0					
Z= 400.753 KM									
LAT= 0.0	U= 0.000 / 6.7	V= 1.381 / 11.6	W= .000019 / 11.7	T= 0.000 / .4					
LAT= 6.0	U= .131 / 1.4	V= 1.254 / 11.7	W= .015655 / 9.4	T= .453 / 7.9					
LAT= 12.0	U= .250 / 1.6	V= .933 / .2	W= .027114 / 9.5	T= .797 / 8.1					
LAT= 18.0	U= .345 / 1.9	V= .629 / 1.5	W= .031780 / 9.7	T= .959 / 8.4					
LAT= 24.0	U= .407 / 2.3	V= .696 / 3.3	W= .029153 / 10.0	T= .922 / 8.7					
LAT= 30.0	U= .433 / 2.8	V= .974 / 4.2	W= .020819 / 10.6	T= .746 / 9.3					
LAT= 36.0	U= .427 / 3.6	V= 1.138 / 4.8	W= .011565 / .0	T= .569 / 10.5					
LAT= 42.0	U= .461 / 4.7	V= 1.095 / 5.3	W= .013401 / 2.4	T= .601 / 11.9					
LAT= 48.0	U= .567 / 5.7	V= .860 / 5.8	W= .021862 / 3.5	T= .780 / .8					
LAT= 54.0	U= .703 / 6.4	V= .563 / 6.9	W= .027584 / 4.0	T= .903 / 1.3					
LAT= 60.0	U= .886 / 6.9	V= .515 / 8.8	W= .026375 / 4.2	T= .912 / 1.5					
LAT= 66.0	U= 1.002 / 7.3	V= .726 / 9.9	W= .024813 / 4.4	T= .778 / 1.8					
LAT= 72.0	U= .996 / 7.4	V= .838 / 10.3	W= .016489 / 4.5	T= .545 / 1.8					
LAT= 78.0	U= .825 / 7.3	V= .709 / 10.6	W= .009304 / 4.0	T= .300 / 1.4					
LAT= 84.0	U= .388 / 7.7	V= .422 / 11.5	W= .003412 / 5.4	T= .071 / 2.0					

Table B4. Amplitude and Phase for the (2,5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

Z = 100.017 KM										$T_0 = 1200$ K	
LAT=	0.0	U=	0.000 / 7.8	V=	2.499 / 4.8	W=	0.000000 / .4	T=	0.000 / 9.8		
LAT=	6.0	U=	.093 / 8.6	V=	1.815 / 4.8	W=	.005975 / 2.5	T=	.494 / 11.9		
LAT=	12.0	U=	.379 / 8.1	V=	.178 / 6.4	W=	.009108 / 2.6	T=	.743 / 11.9		
LAT=	18.0	U=	.841 / 7.9	V=	1.720 / 10.6	W=	.007946 / 2.6	T=	.629 / 12.0		
LAT=	24.0	U=	1.172 / 7.8	V=	2.760 / 10.7	W=	.003042 / 2.7	T=	.212 / .1		
LAT=	30.0	U=	.990 / 7.9	V=	2.516 / 10.8	W=	.003542 / 8.4	T=	.325 / 5.9		
LAT=	36.0	U=	.150 / 9.2	V=	1.112 / 11.3	W=	.009291 / 8.6	T=	.772 / 6.0		
LAT=	42.0	U=	1.328 / 1.5	V=	1.066 / 4.0	W=	.012504 / 8.6	T=	1.000 / 6.0		
LAT=	48.0	U=	2.885 / 1.7	V=	3.011 / 4.5	W=	.012757 / 8.7	T=	.992 / 6.1		
LAT=	54.0	U=	4.111 / 1.7	V=	4.378 / 4.7	W=	.010771 / 8.8	T=	.815 / 6.1		
LAT=	60.0	U=	4.698 / 1.8	V=	4.910 / 4.7	W=	.007771 / 8.9	T=	.574 / 6.2		
LAT=	66.0	U=	4.583 / 1.8	V=	4.654 / 4.8	W=	.004892 / 9.0	T=	.353 / 6.3		
LAT=	72.0	U=	3.849 / 1.9	V=	3.817 / 4.9	W=	.002607 / 9.1	T=	.182 / 6.5		
LAT=	78.0	U=	2.854 / 1.9	V=	2.630 / 4.9	W=	.002181 / 9.1	T=	.154 / 6.4		
LAT=	84.0	U=	1.342 / 1.9	V=	1.216 / 5.0	W=	.000441 / 8.8	T=	.032 / 6.1		
Z = 103.521 KM											
LAT=	0.0	U=	.001 / 6.0	V=	2.643 / 3.1	W=	.000001 / 11.5	T=	0.000 / 8.9		
LAT=	6.0	U=	.119 / 6.7	V=	1.949 / 3.1	W=	.005721 / .7	T=	.541 / 10.1		
LAT=	12.0	U=	.413 / 6.3	V=	.222 / 3.7	W=	.008802 / .7	T=	.829 / 10.1		
LAT=	18.0	U=	.868 / 6.2	V=	1.720 / 9.0	W=	.007853 / .8	T=	.734 / 10.1		
LAT=	24.0	U=	1.209 / 6.1	V=	2.914 / 9.1	W=	.003317 / .8	T=	.300 / 10.0		
LAT=	30.0	U=	1.068 / 6.0	V=	2.829 / 9.2	W=	.002911 / 6.8	T=	.296 / 4.4		
LAT=	36.0	U=	.243 / 5.4	V=	1.428 / 9.4	W=	.008497 / 6.9	T=	.822 / 4.4		
LAT=	42.0	U=	1.226 / .3	V=	.768 / 2.5	W=	.011753 / 7.0	T=	1.124 / 4.4		
LAT=	48.0	U=	2.895 / .2	V=	2.974 / 3.0	W=	.012188 / 7.1	T=	1.158 / 4.5		
LAT=	54.0	U=	4.310 / .2	V=	4.619 / 3.1	W=	.010414 / 7.3	T=	.982 / 4.6		
LAT=	60.0	U=	5.100 / .2	V=	5.381 / 3.2	W=	.007590 / 7.4	T=	.714 / 4.8		
LAT=	66.0	U=	5.109 / .3	V=	5.248 / 3.3	W=	.004814 / 7.6	T=	.448 / 4.9		
LAT=	72.0	U=	4.393 / .3	V=	4.404 / 3.3	W=	.002517 / 7.8	T=	.234 / 5.1		
LAT=	78.0	U=	3.385 / .4	V=	3.091 / 3.4	W=	.002336 / 7.8	T=	.215 / 5.1		
LAT=	84.0	U=	1.582 / .4	V=	1.434 / 3.4	W=	.000517 / 7.4	T=	.046 / 4.8		
Z = 107.177 KM											
LAT=	0.0	U=	.001 / 3.9	V=	2.531 / 1.1	W=	.000001 / 10.2	T=	0.000 / 7.3		
LAT=	6.0	U=	.140 / 4.6	V=	1.917 / 1.1	W=	.005650 / 10.9	T=	.671 / 8.1		
LAT=	12.0	U=	.409 / 4.3	V=	.337 / 1.0	W=	.008737 / 10.9	T=	1.043 / 8.1		
LAT=	18.0	U=	.801 / 4.1	V=	1.410 / 7.2	W=	.007889 / 10.9	T=	.961 / 8.1		
LAT=	24.0	U=	1.117 / 4.0	V=	2.601 / 7.2	W=	.003564 / 10.8	T=	.470 / 7.9		
LAT=	30.0	U=	1.074 / 3.8	V=	2.600 / 7.3	W=	.002446 / 5.4	T=	.252 / 3.1		
LAT=	36.0	U=	.552 / 2.8	V=	1.603 / 7.3	W=	.007746 / 5.3	T=	.872 / 2.6		
LAT=	42.0	U=	.910 / 11.3	V=	.236 / 1.5	W=	.010815 / 5.4	T=	1.247 / 2.7		
LAT=	48.0	U=	2.278 / 10.8	V=	2.220 / 1.5	W=	.011203 / 5.5	T=	1.309 / 2.8		
LAT=	54.0	U=	3.544 / 10.7	V=	3.784 / 1.6	W=	.009519 / 5.6	T=	1.123 / 2.9		
LAT=	60.0	U=	4.335 / 10.7	V=	4.595 / 1.6	W=	.006883 / 5.8	T=	.820 / 3.1		
LAT=	66.0	U=	4.436 / 10.7	V=	4.599 / 1.7	W=	.004296 / 6.0	T=	.513 / 3.2		
LAT=	72.0	U=	3.868 / 10.8	V=	3.929 / 1.8	W=	.002100 / 6.1	T=	.251 / 3.4		
LAT=	78.0	U=	3.130 / 10.9	V=	2.765 / 1.9	W=	.002307 / 6.2	T=	.280 / 3.5		
LAT=	84.0	U=	1.439 / 10.9	V=	1.252 / 1.9	W=	.000573 / 6.0	T=	.069 / 3.3		
Z = 111.019 KM											
LAT=	0.0	U=	.001 / 1.8	V=	2.474 / 11.3	W=	.000001 / 8.7	T=	0.000 / 5.5		
LAT=	6.0	U=	.154 / 2.8	V=	1.936 / 11.3	W=	.005181 / 9.2	T=	.766 / 6.3		
LAT=	12.0	U=	.405 / 2.5	V=	.570 / 11.0	W=	.008071 / 9.2	T=	1.208 / 6.2		
LAT=	18.0	U=	.754 / 2.3	V=	1.355 / 5.6	W=	.007467 / 9.1	T=	1.154 / 6.2		
LAT=	24.0	U=	1.063 / 2.1	V=	2.207 / 5.6	W=	.003708 / 8.8	T=	.656 / 5.9		
LAT=	30.0	U=	1.117 / 1.8	V=	2.438 / 5.5	W=	.002124 / 4.7	T=	.252 / 2.6		
LAT=	36.0	U=	.825 / 1.1	V=	1.676 / 5.5	W=	.006659 / 3.9	T=	.854 / 1.1		
LAT=	42.0	U=	.746 / 10.8	V=	.303 / 4.2	W=	.009493 / 3.9	T=	1.275 / 1.0		
LAT=	48.0	U=	1.672 / 9.6	V=	1.453 / .2	W=	.009972 / 3.9	T=	1.371 / 1.1		
LAT=	54.0	U=	2.672 / 9.3	V=	2.733 / .1	W=	.008569 / 4.0	T=	1.135 / 1.2		
LAT=	60.0	U=	3.354 / 9.2	V=	3.543 / .2	W=	.006285 / 4.1	T=	.888 / 1.3		
LAT=	66.0	U=	3.481 / 9.3	V=	3.628 / .2	W=	.003945 / 4.3	T=	.559 / 1.5		
LAT=	72.0	U=	3.061 / 9.3	V=	3.142 / .3	W=	.001923 / 4.3	T=	.273 / 1.5		
LAT=	78.0	U=	2.605 / 9.4	V=	2.235 / .4	W=	.002278 / 4.4	T=	.331 / 1.6		
LAT=	84.0	U=	1.171 / 9.4	V=	.952 / .4	W=	.000555 / 4.3	T=	.081 / 1.5		

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 1200 K

Z = 115.091 KM

LAT= 0.0	U= .001 / 12.0	V= 2.284 / 9.8	W= .000001 / 7.0	T= 0.000 / 3.8
LAT= 6.0	U= .158 / 1.1	V= 1.852 / 9.8	W= .004817 / 7.5	T= .799 / 4.4
LAT= 12.0	U= .379 / .9	V= .738 / 9.6	W= .007631 / 7.5	T= 1.282 / 4.4
LAT= 18.0	U= .671 / .7	V= .636 / 4.3	W= .007376 / 7.4	T= 1.279 / 4.3
LAT= 24.0	U= .942 / .4	V= 1.664 / 4.1	W= .004447 / 6.9	T= .841 / 4.0
LAT= 30.0	U= 1.052 / .2	V= 2.011 / 4.0	W= .002333 / 4.3	T= .372 / 2.1
LAT= 36.0	U= .926 / 11.6	V= 1.582 / 3.9	W= .005658 / 2.7	T= .758 / 11.9
LAT= 42.0	U= .797 / 10.2	V= .628 / 3.2	W= .008299 / 2.5	T= 1.179 / 11.6
LAT= 48.0	U= 1.196 / 8.7	V= .809 / 11.3	W= .008964 / 2.5	T= 1.311 / 11.5
LAT= 54.0	U= 1.864 / 8.2	V= 1.839 / 10.9	W= .007901 / 2.5	T= 1.176 / 11.6
LAT= 60.0	U= 2.393 / 8.0	V= 2.490 / 10.9	W= .005979 / 2.6	T= .901 / 11.7
LAT= 66.0	U= 2.534 / 8.0	V= 2.645 / 10.9	W= .003831 / 2.8	T= .583 / 11.9
LAT= 72.0	U= 2.270 / 8.0	V= 2.344 / 11.0	W= .001925 / 2.8	T= .296 / 11.9
LAT= 78.0	U= 2.038 / 8.1	V= 1.630 / 11.1	W= .002370 / 2.8	T= .369 / 11.8
LAT= 84.0	U= .895 / 8.1	V= .689 / 11.1	W= .000597 / 2.6	T= .090 / 11.5

Z = 119.451 KM

LAT= 0.0	U= .001 / 10.5	V= 2.056 / 8.5	W= .000001 / 5.3	T= 0.000 / 2.3
LAT= 6.0	U= .157 / 11.8	V= 1.716 / 8.5	W= .004877 / 6.1	T= .800 / 2.9
LAT= 12.0	U= .349 / 11.5	V= .831 / 8.4	W= .007897 / 6.0	T= 1.309 / 2.8
LAT= 18.0	U= .583 / 11.3	V= .287 / 3.2	W= .008035 / 5.9	T= 1.367 / 2.7
LAT= 24.0	U= .809 / 11.0	V= 1.179 / 2.7	W= .005623 / 5.5	T= 1.011 / 2.4
LAT= 30.0	U= .934 / 10.7	V= 1.584 / 2.7	W= .003123 / 3.8	T= .544 / 1.2
LAT= 36.0	U= .896 / 10.3	V= 1.399 / 2.6	W= .005013 / 1.8	T= .653 / 11.0
LAT= 42.0	U= .776 / 9.4	V= .773 / 2.2	W= .007518 / 1.3	T= 1.016 / 10.3
LAT= 48.0	U= .882 / 8.1	V= .440 / 11.2	W= .008410 / 1.2	T= 1.172 / 10.2
LAT= 54.0	U= 1.265 / 7.3	V= 1.125 / 9.9	W= .007646 / 1.2	T= 1.087 / 10.2
LAT= 60.0	U= 1.648 / 7.0	V= 1.666 / 9.8	W= .005990 / 1.3	T= .863 / 10.3
LAT= 66.0	U= 1.789 / 6.9	V= 1.860 / 9.8	W= .003926 / 1.4	T= .574 / 10.4
LAT= 72.0	U= 1.642 / 6.8	V= 1.703 / 9.9	W= .002042 / 1.4	T= .303 / 10.4
LAT= 78.0	U= 1.569 / 6.9	V= 1.260 / 9.9	W= .002470 / 1.4	T= .364 / 10.3
LAT= 84.0	U= .675 / 6.9	V= .503 / 10.1	W= .000648 / 1.0	T= .090 / 9.8

Z = 124.175 KM

LAT= 0.0	U= .001 / 9.4	V= 1.829 / 7.3	W= .000002 / 3.8	T= 0.000 / 1.2
LAT= 6.0	U= .149 / 10.6	V= 1.558 / 7.3	W= .005214 / 4.9	T= .768 / 1.6
LAT= 12.0	U= .317 / 10.4	V= .844 / 7.3	W= .008627 / 4.8	T= 1.282 / 1.6
LAT= 18.0	U= .511 / 10.1	V= .063 / 2.3	W= .009197 / 4.7	T= 1.393 / 1.5
LAT= 24.0	U= .702 / 9.8	V= .833 / 1.5	W= .007131 / 4.3	T= 1.125 / 1.2
LAT= 30.0	U= .825 / 9.5	V= 1.246 / 1.4	W= .004268 / 3.2	T= .692 / .4
LAT= 36.0	U= .824 / 9.2	V= 1.204 / 1.4	W= .004629 / 1.2	T= .570 / 10.5
LAT= 42.0	U= .721 / 8.5	V= .706 / 1.1	W= .006957 / .4	T= .825 / 9.4
LAT= 48.0	U= .692 / 7.4	V= .360 / 11.4	W= .008139 / .2	T= .993 / 9.1
LAT= 54.0	U= .876 / 6.5	V= .681 / 9.2	W= .007704 / .2	T= .960 / 9.1
LAT= 60.0	U= 1.143 / 6.0	V= 1.110 / 8.8	W= .006288 / .2	T= .797 / 9.1
LAT= 66.0	U= 1.271 / 5.9	V= 1.308 / 8.8	W= .004256 / .3	T= .549 / 9.2
LAT= 72.0	U= 1.195 / 5.8	V= 1.243 / 8.9	W= .002281 / .3	T= .299 / 9.2
LAT= 78.0	U= 1.200 / 5.8	V= .950 / 9.0	W= .002672 / 12.0	T= .338 / 8.8
LAT= 84.0	U= .512 / 5.9	V= .394 / 9.3	W= .000680 / 11.6	T= .079 / 8.3

Z = 129.367 KM

LAT= 0.0	U= .001 / 8.6	V= 1.623 / 6.3	W= .000002 / 2.7	T= 0.000 / .5
LAT= 6.0	U= .139 / 9.7	V= 1.400 / 6.3	W= .005603 / 3.8	T= .707 / .6
LAT= 12.0	U= .287 / 9.4	V= .811 / 6.3	W= .009446 / 3.8	T= 1.200 / .6
LAT= 18.0	U= .456 / 9.0	V= .066 / 7.3	W= .010447 / 3.7	T= 1.352 / .5
LAT= 24.0	U= .626 / 8.7	V= .617 / .2	W= .008671 / 3.4	T= 1.164 / .3
LAT= 30.0	U= .745 / 8.4	V= 1.010 / .2	W= .005537 / 2.7	T= .785 / 11.7
LAT= 36.0	U= .758 / 8.1	V= 1.044 / .2	W= .004447 / .9	T= .529 / 10.3
LAT= 42.0	U= .669 / 7.7	V= .773 / 12.0	W= .006399 / 11.7	T= .647 / 8.8
LAT= 48.0	U= .582 / 6.8	V= .396 / 11.1	W= .007898 / 11.4	T= .811 / 8.3
LAT= 54.0	U= .638 / 5.8	V= .433 / 8.7	W= .007856 / 11.2	T= .827 / 8.2
LAT= 60.0	U= .814 / 5.2	V= .747 / 8.0	W= .006716 / 11.3	T= .724 / 8.2
LAT= 66.0	U= .917 / 5.0	V= .929 / 7.9	W= .004737 / 11.3	T= .519 / 8.2
LAT= 72.0	U= .877 / 4.8	V= .916 / 7.9	W= .002618 / 11.3	T= .290 / 8.1
LAT= 78.0	U= .909 / 4.7	V= .728 / 8.1	W= .003024 / 10.9	T= .318 / 7.6
LAT= 84.0	U= .389 / 4.9	V= .332 / 8.6	W= .000707 / 10.3	T= .067 / 7.1

Table B4. Amplitude and Phase for the (2,5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200, \text{ and } 1400 \text{ K}$ (contd)

$T_0 = 1200 \text{ K}$										
$Z = 135.169 \text{ KM}$										
LAT= 0.0	U=	.001 / 8.1	V=	1.453 / 5.3	W=	.000002 / 2.0	T=	0.000 / 12.0		
LAT= 6.0	U=	.127 / 8.8	V=	1.265 / 5.3	W=	.005891 / 2.9	T=	.632 / 11.8		
LAT= 12.0	U=	.263 / 8.4	V=	.763 / 5.4	W=	.010079 / 2.9	T=	1.093 / 11.7		
LAT= 18.0	U=	.417 / 8.0	V=	.133 / 6.4	W=	.011463 / 2.8	T=	1.269 / 11.6		
LAT= 24.0	U=	.578 / 7.7	V=	.492 / 11.0	W=	.009975 / 2.6	T=	1.148 / 11.5		
LAT= 30.0	U=	.695 / 7.4	V=	.860 / 11.1	W=	.006728 / 2.1	T=	.828 / 11.1		
LAT= 36.0	U=	.717 / 7.2	V=	.936 / 11.1	W=	.004460 / .6	T=	.521 / 10.0		
LAT= 42.0	U=	.640 / 6.8	V=	.753 / 11.0	W=	.005733 / 11.1	T=	.507 / 8.5		
LAT= 48.0	U=	.533 / 6.1	V=	.444 / 10.4	W=	.007478 / 10.6	T=	.651 / 7.7		
LAT= 54.0	U=	.512 / 5.1	V=	.319 / 8.4	W=	.007847 / 10.5	T=	.706 / 7.4		
LAT= 60.0	U=	.615 / 4.4	V=	.514 / 7.3	W=	.007029 / 10.5	T=	.651 / 7.4		
LAT= 66.0	U=	.686 / 4.1	V=	.673 / 7.0	W=	.005175 / 10.6	T=	.488 / 7.4		
LAT= 72.0	U=	.656 / 3.9	V=	.691 / 7.0	W=	.002958 / 10.4	T=	.281 / 7.2		
LAT= 78.0	U=	.692 / 3.7	V=	.571 / 7.1	W=	.003387 / 9.9	T=	.305 / 6.6		
LAT= 84.0	U=	.300 / 4.0	V=	.291 / 7.8	W=	.000707 / 9.2	T=	.056 / 6.0		
$Z = 141.772 \text{ KM}$										
LAT= 0.0	U=	.001 / 7.7	V=	1.317 / 4.4	W=	.000003 / 1.5	T=	0.000 / 11.6		
LAT= 6.0	U=	.118 / 7.9	V=	1.154 / 4.4	W=	.006049 / 2.1	T=	.560 / 10.9		
LAT= 12.0	U=	.245 / 7.6	V=	.718 / 4.5	W=	.010466 / 2.1	T=	.982 / 10.9		
LAT= 18.0	U=	.392 / 7.2	V=	.169 / 5.5	W=	.012153 / 2.1	T=	1.168 / 10.9		
LAT= 24.0	U=	.547 / 6.9	V=	.412 / 9.8	W=	.010944 / 1.9	T=	1.100 / 10.8		
LAT= 30.0	U=	.662 / 6.6	V=	.762 / 10.1	W=	.007726 / 1.5	T=	.837 / 10.5		
LAT= 36.0	U=	.694 / 6.3	V=	.866 / 10.1	W=	.004662 / .4	T=	.526 / 9.7		
LAT= 42.0	U=	.633 / 6.0	V=	.745 / 10.0	W=	.004976 / 10.7	T=	.409 / 8.2		
LAT= 48.0	U=	.531 / 5.4	V=	.489 / 9.6	W=	.006793 / 10.0	T=	.514 / 7.1		
LAT= 54.0	U=	.468 / 4.5	V=	.290 / 8.3	W=	.007514 / 9.8	T=	.591 / 6.7		
LAT= 60.0	U=	.516 / 3.7	V=	.369 / 6.7	W=	.007025 / 9.8	T=	.576 / 6.7		
LAT= 66.0	U=	.550 / 3.3	V=	.505 / 6.2	W=	.005374 / 9.9	T=	.450 / 6.6		
LAT= 72.0	U=	.513 / 3.0	V=	.544 / 6.1	W=	.003173 / 9.7	T=	.266 / 6.4		
LAT= 78.0	U=	.557 / 2.6	V=	.471 / 6.2	W=	.003559 / 9.1	T=	.288 / 5.7		
LAT= 84.0	U=	.245 / 3.0	V=	.262 / 6.8	W=	.000664 / 8.4	T=	.049 / 5.1		
$Z = 149.425 \text{ KM}$										
LAT= 0.0	U=	.001 / 7.4	V=	1.200 / 3.5	W=	.000003 / 1.2	T=	0.000 / 11.2		
LAT= 6.0	U=	.108 / 7.0	V=	1.058 / 3.5	W=	.006139 / 1.3	T=	.497 / 10.1		
LAT= 12.0	U=	.229 / 6.7	V=	.679 / 3.6	W=	.010703 / 1.3	T=	.879 / 10.1		
LAT= 18.0	U=	.369 / 6.4	V=	.194 / 4.5	W=	.012619 / 1.3	T=	1.068 / 10.1		
LAT= 24.0	U=	.515 / 6.1	V=	.343 / 8.8	W=	.011661 / 1.2	T=	1.034 / 10.0		
LAT= 30.0	U=	.626 / 5.9	V=	.678 / 9.1	W=	.008556 / 1.0	T=	.821 / 9.8		
LAT= 36.0	U=	.665 / 5.6	V=	.807 / 9.2	W=	.005042 / .2	T=	.532 / 9.3		
LAT= 42.0	U=	.626 / 5.3	V=	.732 / 9.1	W=	.004245 / 10.4	T=	.345 / 8.0		
LAT= 48.0	U=	.541 / 4.8	V=	.521 / 8.9	W=	.005901 / 9.4	T=	.394 / 6.7		
LAT= 54.0	U=	.461 / 4.0	V=	.304 / 8.0	W=	.006868 / 9.2	T=	.477 / 6.1		
LAT= 60.0	U=	.463 / 3.2	V=	.260 / 6.3	W=	.006677 / 9.2	T=	.489 / 6.0		
LAT= 66.0	U=	.461 / 2.6	V=	.390 / 5.5	W=	.005269 / 9.2	T=	.396 / 5.9		
LAT= 72.0	U=	.415 / 2.2	V=	.445 / 5.2	W=	.003190 / 9.0	T=	.242 / 5.6		
LAT= 78.0	U=	.469 / 1.7	V=	.406 / 5.2	W=	.003464 / 8.4	T=	.258 / 4.9		
LAT= 84.0	U=	.209 / 2.1	V=	.240 / 5.8	W=	.000591 / 7.6	T=	.041 / 4.4		
$Z = 153.420 \text{ KM}$										
LAT= 0.0	U=	.001 / 7.0	V=	1.094 / 2.6	W=	.000004 / .9	T=	0.000 / 10.9		
LAT= 6.0	U=	.100 / 6.1	V=	.971 / 2.7	W=	.006221 / .6	T=	.442 / 9.3		
LAT= 12.0	U=	.211 / 5.9	V=	.641 / 2.8	W=	.010914 / .6	T=	.789 / 9.3		
LAT= 18.0	U=	.337 / 5.7	V=	.211 / 3.5	W=	.013024 / .6	T=	.970 / 9.3		
LAT= 24.0	U=	.465 / 5.4	V=	.276 / 7.8	W=	.012293 / .5	T=	.961 / 9.3		
LAT= 30.0	U=	.567 / 5.2	V=	.591 / 8.3	W=	.009338 / .4	T=	.789 / 9.2		
LAT= 36.0	U=	.611 / 5.0	V=	.736 / 8.4	W=	.005590 / 11.8	T=	.530 / 8.9		
LAT= 42.0	U=	.590 / 4.7	V=	.701 / 8.3	W=	.003683 / 10.2	T=	.310 / 7.9		
LAT= 48.0	U=	.523 / 4.2	V=	.534 / 8.2	W=	.004933 / 8.9	T=	.287 / 6.3		
LAT= 54.0	U=	.434 / 3.6	V=	.328 / 7.6	W=	.006081 / 8.5	T=	.359 / 5.5		
LAT= 60.0	U=	.401 / 2.8	V=	.232 / 6.1	W=	.006157 / 8.4	T=	.388 / 5.3		
LAT= 66.0	U=	.372 / 2.1	V=	.298 / 4.9	W=	.004997 / 8.4	T=	.326 / 5.2		
LAT= 72.0	U=	.325 / 1.5	V=	.357 / 4.5	W=	.003072 / 8.2	T=	.204 / 4.9		
LAT= 78.0	U=	.379 / .9	V=	.343 / 4.5	W=	.003234 / 7.5	T=	.214 / 4.2		
LAT= 84.0	U=	.176 / 1.3	V=	.222 / 5.0	W=	.000510 / 6.9	T=	.034 / 3.7		

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1200$ K										
Z = 181.310 KM										
LAT= 0.0	U=	.001 / 6.2	V=	.919 / 1.0	W=	.000005 / .3	T=	0.000 / 10.5		
LAT= 6.0	U=	.085 / 4.3	V=	.828 / 1.1	W=	.006486 / 11.1	T=	.355 / 7.9		
LAT= 12.0	U=	.174 / 4.2	V=	.577 / 1.2	W=	.011503 / 11.1	T=	.639 / 7.9		
LAT= 18.0	U=	.268 / 4.1	V=	.238 / 1.6	W=	.014015 / 11.1	T=	.801 / 8.0		
LAT= 24.0	U=	.361 / 4.0	V=	.148 / 6.0	W=	.013700 / 11.2	T=	.818 / 8.0		
LAT= 30.0	U=	.435 / 3.8	V=	.418 / 6.7	W=	.011006 / 11.1	T=	.706 / 8.0		
LAT= 36.0	U=	.471 / 3.7	V=	.577 / 6.8	W=	.007016 / 10.9	T=	.510 / 7.9		
LAT= 42.0	U=	.465 / 3.5	V=	.600 / 6.9	W=	.003381 / 10.0	T=	.293 / 7.6		
LAT= 48.0	U=	.421 / 3.2	V=	.510 / 6.8	W=	.003115 / 7.8	T=	.144 / 6.4		
LAT= 54.0	U=	.338 / 2.7	V=	.355 / 6.5	W=	.004651 / 6.9	T=	.148 / 4.4		
LAT= 60.0	U=	.276 / 2.0	V=	.211 / 5.8	W=	.005274 / 6.8	T=	.196 / 3.9		
LAT= 66.0	U=	.216 / 1.1	V=	.166 / 4.3	W=	.004572 / 6.7	T=	.185 / 3.6		
LAT= 72.0	U=	.173 / .2	V=	.197 / 3.4	W=	.002877 / 6.5	T=	.123 / 3.2		
LAT= 78.0	U=	.210 / 11.2	V=	.206 / 3.1	W=	.003054 / 5.7	T=	.128 / 2.4		
LAT= 84.0	U=	.105 / 12.0	V=	.164 / 3.8	W=	.000383 / 5.4	T=	.019 / 2.4		
Z = 209.865 KM										
LAT= 0.0	U=	.001 / 5.6	V=	.815 / 11.7	W=	.000006 / 11.5	T=	0.000 / 10.3		
LAT= 6.0	U=	.068 / 2.8	V=	.744 / 11.7	W=	.007013 / 9.8	T=	.299 / 6.8		
LAT= 12.0	U=	.138 / 2.7	V=	.549 / 11.8	W=	.012471 / 9.9	T=	.541 / 6.9		
LAT= 18.0	U=	.211 / 2.7	V=	.279 / 12.0	W=	.015306 / 9.9	T=	.686 / 7.0		
LAT= 24.0	U=	.280 / 2.6	V=	.065 / 3.2	W=	.015185 / 10.0	T=	.716 / 7.1		
LAT= 30.0	U=	.334 / 2.5	V=	.270 / 5.3	W=	.012521 / 10.0	T=	.639 / 7.2		
LAT= 36.0	U=	.359 / 2.4	V=	.427 / 5.5	W=	.008308 / 10.0	T=	.486 / 7.3		
LAT= 42.0	U=	.353 / 2.3	V=	.482 / 5.6	W=	.003807 / 9.7	T=	.301 / 7.3		
LAT= 48.0	U=	.323 / 2.2	V=	.444 / 5.6	W=	.001557 / 6.9	T=	.129 / 7.3		
LAT= 54.0	U=	.260 / 1.9	V=	.340 / 5.5	W=	.003624 / 5.4	T=	.014 / 3.1		
LAT= 60.0	U=	.203 / 1.3	V=	.214 / 5.1	W=	.004729 / 5.3	T=	.084 / 2.1		
LAT= 66.0	U=	.135 / .4	V=	.118 / 4.2	W=	.004425 / 5.2	T=	.108 / 1.8		
LAT= 72.0	U=	.086 / 11.3	V=	.096 / 2.8	W=	.002938 / 4.9	T=	.082 / 1.4		
LAT= 78.0	U=	.113 / 9.6	V=	.102 / 2.2	W=	.003154 / 4.2	T=	.092 / .7		
LAT= 84.0	U=	.052 / 11.0	V=	.097 / 3.1	W=	.000396 / 3.9	T=	.013 / .8		
Z = 240.988 KM										
LAT= 0.0	U=	0.000 / 5.1	V=	.780 / 10.6	W=	.000007 / 10.9	T=	0.000 / 10.3		
LAT= 6.0	U=	.054 / 1.4	V=	.719 / 10.7	W=	.007742 / 8.9	T=	.275 / 6.1		
LAT= 12.0	U=	.110 / 1.4	V=	.552 / 10.8	W=	.013693 / 9.0	T=	.499 / 6.2		
LAT= 18.0	U=	.169 / 1.4	V=	.319 / 11.1	W=	.016711 / 9.1	T=	.636 / 6.4		
LAT= 24.0	U=	.225 / 1.4	V=	.100 / .5	W=	.016546 / 9.2	T=	.668 / 6.5		
LAT= 30.0	U=	.272 / 1.4	V=	.189 / 3.8	W=	.013702 / 9.2	T=	.606 / 6.7		
LAT= 36.0	U=	.296 / 1.4	V=	.333 / 4.3	W=	.009202 / 9.3	T=	.475 / 6.9		
LAT= 42.0	U=	.292 / 1.4	V=	.401 / 4.5	W=	.004236 / 9.4	T=	.311 / 7.1		
LAT= 48.0	U=	.269 / 1.4	V=	.391 / 4.6	W=	.000424 / 5.8	T=	.158 / 7.5		
LAT= 54.0	U=	.219 / 1.3	V=	.319 / 4.6	W=	.003428 / 3.9	T=	.059 / 9.4		
LAT= 60.0	U=	.169 / .8	V=	.216 / 4.5	W=	.004834 / 4.0	T=	.068 / 11.8		
LAT= 66.0	U=	.095 / .2	V=	.115 / 4.2	W=	.004750 / 3.9	T=	.096 / .3		
LAT= 72.0	U=	.036 / 11.3	V=	.052 / 3.2	W=	.003289 / 3.6	T=	.078 / 12.0		
LAT= 78.0	U=	.059 / 7.9	V=	.038 / 1.9	W=	.003380 / 3.0	T=	.087 / 11.6		
LAT= 84.0	U=	.018 / 10.5	V=	.055 / 2.9	W=	.000483 / 3.0	T=	.013 / 11.5		
Z = 272.801 KM										
LAT= 0.0	U=	0.000 / 4.8	V=	.750 / 9.9	W=	.000008 / 10.5	T=	0.000 / 10.3		
LAT= 6.0	U=	.049 / .3	V=	.732 / 10.0	W=	.008434 / 8.3	T=	.268 / 5.7		
LAT= 12.0	U=	.101 / .3	V=	.572 / 10.1	W=	.014847 / 8.4	T=	.485 / 5.8		
LAT= 18.0	U=	.155 / .4	V=	.352 / 10.5	W=	.018016 / 8.5	T=	.619 / 6.0		
LAT= 24.0	U=	.207 / .5	V=	.147 / 11.7	W=	.017773 / 8.6	T=	.653 / 6.2		
LAT= 30.0	U=	.251 / .6	V=	.174 / 2.6	W=	.014711 / 8.7	T=	.595 / 6.4		
LAT= 36.0	U=	.278 / .6	V=	.304 / 3.4	W=	.009879 / 8.9	T=	.472 / 6.6		
LAT= 42.0	U=	.274 / .7	V=	.374 / 3.7	W=	.004503 / 9.1	T=	.320 / 6.9		
LAT= 48.0	U=	.252 / .8	V=	.374 / 3.8	W=	.000424 / 1.6	T=	.179 / 7.6		
LAT= 54.0	U=	.206 / .9	V=	.316 / 3.9	W=	.003948 / 3.0	T=	.097 / 9.1		
LAT= 60.0	U=	.158 / .6	V=	.222 / 4.0	W=	.005520 / 3.2	T=	.088 / 10.7		
LAT= 66.0	U=	.081 / .5	V=	.124 / 4.1	W=	.005449 / 3.2	T=	.105 / 11.4		
LAT= 72.0	U=	.023 / 1.3	V=	.051 / 4.2	W=	.003763 / 2.9	T=	.085 / 11.3		
LAT= 78.0	U=	.050 / 5.6	V=	.016 / 4.5	W=	.003725 / 2.2	T=	.088 / 10.9		
LAT= 84.0	U=	.005 / 2.5	V=	.035 / 3.1	W=	.000541 / 2.4	T=	.014 / 11.0		

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 1200 K

Z = 304.762 KM

LAT= 0.0	U= 0.000 / 4.5	V= .818 / 9.5	W= .000010 / 10.2	T= 0.000 / 10.3
LAT= 6.0	U= .052 / 11.5	V= .760 / 9.5	W= .008921 / 7.9	T= .267 / 5.5
LAT= 12.0	U= .105 / 11.6	V= .599 / 9.7	W= .015683 / 8.0	T= .484 / 5.7
LAT= 18.0	U= .159 / 11.7	V= .379 / 10.1	W= .019005 / 8.1	T= .617 / 5.8
LAT= 24.0	U= .211 / 11.9	V= .181 / 11.3	W= .018731 / 8.2	T= .650 / 6.0
LAT= 30.0	U= .256 / 12.0	V= .190 / 1.8	W= .015487 / 8.4	T= .595 / 6.3
LAT= 36.0	U= .284 / .1	V= .310 / 2.8	W= .010339 / 8.5	T= .476 / 6.5
LAT= 42.0	U= .280 / .3	V= .381 / 3.1	W= .004582 / 8.8	T= .327 / 6.9
LAT= 48.0	U= .254 / .5	V= .383 / 3.4	W= .000838 / 1.3	T= .193 / 7.5
LAT= 54.0	U= .207 / .6	V= .326 / 3.5	W= .004607 / 2.5	T= .119 / 9.0
LAT= 60.0	U= .158 / .6	V= .233 / 3.7	W= .006311 / 2.8	T= .104 / 10.3
LAT= 66.0	U= .082 / .8	V= .133 / 4.0	W= .006165 / 2.7	T= .113 / 11.0
LAT= 72.0	U= .042 / 2.3	V= .056 / 4.7	W= .004165 / 2.5	T= .090 / 11.0
LAT= 78.0	U= .070 / 4.4	V= .036 / 5.7	W= .004041 / 1.7	T= .090 / 10.6
LAT= 84.0	U= .018 / 3.1	V= .028 / 3.5	W= .000570 / 2.1	T= .015 / 10.7

Z = 336.754 KM

LAT= 0.0	U= 0.000 / 4.3	V= .847 / 9.2	W= .000011 / 10.0	T= 0.000 / 10.3
LAT= 6.0	U= .057 / 11.0	V= .787 / 9.3	W= .009146 / 7.7	T= .269 / 5.4
LAT= 12.0	U= .114 / 11.1	V= .623 / 9.5	W= .016093 / 7.8	T= .488 / 5.6
LAT= 18.0	U= .171 / 11.3	V= .401 / 9.9	W= .019521 / 7.9	T= .622 / 5.7
LAT= 24.0	U= .225 / 11.5	V= .204 / 11.1	W= .019244 / 8.0	T= .657 / 6.0
LAT= 30.0	U= .270 / 11.7	V= .210 / 1.4	W= .015879 / 8.1	T= .601 / 6.2
LAT= 36.0	U= .299 / 11.9	V= .328 / 2.4	W= .010494 / 8.3	T= .483 / 6.4
LAT= 42.0	U= .293 / 12.0	V= .399 / 2.8	W= .004449 / 8.5	T= .335 / 6.8
LAT= 48.0	U= .264 / .3	V= .401 / 3.1	W= .001102 / 1.6	T= .202 / 7.5
LAT= 54.0	U= .214 / .5	V= .342 / 3.3	W= .005145 / 2.4	T= .130 / 8.9
LAT= 60.0	U= .162 / .5	V= .245 / 3.5	W= .006948 / 2.6	T= .114 / 10.2
LAT= 66.0	U= .088 / 1.0	V= .143 / 3.9	W= .006707 / 2.5	T= .120 / 10.9
LAT= 72.0	U= .059 / 2.4	V= .078 / 4.9	W= .004424 / 2.3	T= .094 / 10.9
LAT= 78.0	U= .090 / 3.9	V= .053 / 5.7	W= .004247 / 1.4	T= .091 / 10.5
LAT= 84.0	U= .028 / 3.0	V= .026 / 3.8	W= .000577 / 1.8	T= .015 / 10.6

Z = 368.753 KM

LAT= 0.0	U= 0.000 / 4.2	V= .873 / 9.1	W= .000012 / 9.8	T= 0.000 / 10.3
LAT= 6.0	U= .063 / 10.8	V= .811 / 9.1	W= .009117 / 7.5	T= .273 / 5.4
LAT= 12.0	U= .123 / 10.9	V= .645 / 9.3	W= .016060 / 7.6	T= .496 / 5.5
LAT= 18.0	U= .183 / 11.1	V= .419 / 9.8	W= .019502 / 7.7	T= .631 / 5.7
LAT= 24.0	U= .239 / 11.3	V= .221 / 11.0	W= .019219 / 7.8	T= .666 / 5.9
LAT= 30.0	U= .286 / 11.5	V= .227 / 1.2	W= .015805 / 7.9	T= .610 / 6.1
LAT= 36.0	U= .315 / 11.7	V= .346 / 2.2	W= .010310 / 8.1	T= .490 / 6.4
LAT= 42.0	U= .307 / 11.9	V= .419 / 2.6	W= .004137 / 8.2	T= .342 / 6.8
LAT= 48.0	U= .274 / .2	V= .419 / 2.9	W= .001363 / 2.2	T= .209 / 7.5
LAT= 54.0	U= .221 / .4	V= .358 / 3.1	W= .005519 / 2.3	T= .138 / 8.9
LAT= 60.0	U= .168 / .5	V= .255 / 3.4	W= .007360 / 2.5	T= .121 / 10.1
LAT= 66.0	U= .094 / 1.1	V= .150 / 3.9	W= .007019 / 2.4	T= .125 / 10.8
LAT= 72.0	U= .071 / 2.4	V= .088 / 4.9	W= .004533 / 2.2	T= .097 / 10.8
LAT= 78.0	U= .105 / 3.6	V= .064 / 5.7	W= .004325 / 1.3	T= .093 / 10.4
LAT= 84.0	U= .033 / 3.0	V= .029 / 4.0	W= .000566 / 1.7	T= .015 / 10.5

Z = 400.753 KM

LAT= 0.0	U= 0.000 / 4.1	V= .894 / 9.0	W= .000013 / 9.6	T= 0.000 / 10.3
LAT= 6.0	U= .066 / 10.7	V= .832 / 9.0	W= .008854 / 7.4	T= .279 / 5.4
LAT= 12.0	U= .130 / 10.8	V= .663 / 9.2	W= .015606 / 7.5	T= .504 / 5.5
LAT= 18.0	U= .193 / 11.0	V= .433 / 9.7	W= .018954 / 7.5	T= .642 / 5.7
LAT= 24.0	U= .251 / 11.2	V= .233 / 10.9	W= .018656 / 7.6	T= .679 / 5.9
LAT= 30.0	U= .299 / 11.4	V= .239 / 1.1	W= .015274 / 7.7	T= .622 / 6.1
LAT= 36.0	U= .327 / 11.6	V= .361 / 2.1	W= .009827 / 7.8	T= .500 / 6.4
LAT= 42.0	U= .319 / 11.8	V= .434 / 2.5	W= .003737 / 7.8	T= .349 / 6.8
LAT= 48.0	U= .284 / .1	V= .434 / 2.8	W= .001764 / 2.7	T= .214 / 7.5
LAT= 54.0	U= .229 / .4	V= .371 / 3.0	W= .005757 / 2.4	T= .142 / 8.9
LAT= 60.0	U= .175 / .5	V= .264 / 3.3	W= .007557 / 2.5	T= .125 / 10.1
LAT= 66.0	U= .100 / 1.2	V= .156 / 3.9	W= .007106 / 2.4	T= .128 / 10.7
LAT= 72.0	U= .078 / 2.4	V= .093 / 4.9	W= .004503 / 2.2	T= .100 / 10.8
LAT= 78.0	U= .114 / 3.5	V= .070 / 5.7	W= .004283 / 1.2	T= .095 / 10.4
LAT= 84.0	U= .037 / 2.9	V= .030 / 4.0	W= .000542 / 1.6	T= .016 / 10.5

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

Z = 100.017 KM										$T_0 = 1400$ K	
LAT=	0.0	U=	0.000 / 7.7	V=	2.756 / 4.7	W=	0.000000 / .5	T=	0.000 / 9.9		
LAT=	6.0	U=	.109 / 8.5	V=	2.003 / 4.8	W=	.006464 / 2.5	T=	.501 / 11.9		
LAT=	12.0	U=	.429 / 7.9	V=	.207 / 6.3	W=	.009874 / 2.5	T=	.753 / 12.0		
LAT=	18.0	U=	.938 / 7.8	V=	1.889 / 10.5	W=	.008662 / 2.5	T=	.640 / 12.0		
LAT=	24.0	U=	1.300 / 7.7	V=	3.030 / 10.6	W=	.003417 / 2.7	T=	.219 / .1		
LAT=	30.0	U=	1.097 / 7.8	V=	2.760 / 10.7	W=	.003687 / 8.3	T=	.322 / 5.8		
LAT=	36.0	U=	.188 / 9.3	V=	1.221 / 11.2	W=	.009890 / 8.5	T=	.772 / 5.9		
LAT=	42.0	U=	1.462 / 1.4	V=	1.186 / 3.9	W=	.013384 / 8.5	T=	1.000 / 6.0		
LAT=	48.0	U=	3.163 / 1.5	V=	3.307 / 4.4	W=	.013693 / 8.6	T=	.990 / 6.0		
LAT=	54.0	U=	4.497 / 1.6	V=	4.792 / 4.5	W=	.011581 / 8.7	T=	.812 / 6.1		
LAT=	60.0	U=	5.130 / 1.6	V=	5.361 / 4.6	W=	.008367 / 8.8	T=	.570 / 6.2		
LAT=	66.0	U=	4.990 / 1.7	V=	5.071 / 4.7	W=	.005272 / 8.9	T=	.350 / 6.3		
LAT=	72.0	U=	4.190 / 1.7	V=	4.153 / 4.7	W=	.002848 / 9.1	T=	.183 / 6.5		
LAT=	78.0	U=	3.076 / 1.8	V=	2.859 / 4.8	W=	.002247 / 9.1	T=	.144 / 6.4		
LAT=	84.0	U=	1.455 / 1.8	V=	1.336 / 4.8	W=	.000427 / 8.7	T=	.028 / 6.0		
Z = 103.521 KM											
LAT=	0.0	U=	.001 / 5.9	V=	2.945 / 3.0	W=	.000001 / 11.5	T=	0.000 / 9.0		
LAT=	6.0	U=	.144 / 6.6	V=	2.174 / 3.0	W=	.006185 / .6	T=	.567 / 10.0		
LAT=	12.0	U=	.478 / 6.2	V=	.262 / 3.8	W=	.009519 / .6	T=	.868 / 10.1		
LAT=	18.0	U=	.983 / 6.1	V=	1.913 / 8.9	W=	.008513 / .7	T=	.769 / 10.1		
LAT=	24.0	U=	1.355 / 6.0	V=	3.241 / 9.0	W=	.003654 / .9	T=	.313 / 10.1		
LAT=	30.0	U=	1.187 / 6.0	V=	3.127 / 9.1	W=	.003070 / 6.5	T=	.306 / 4.2		
LAT=	36.0	U=	.245 / 5.7	V=	1.599 / 9.3	W=	.009039 / 6.7	T=	.855 / 4.2		
LAT=	42.0	U=	1.371 / .1	V=	.901 / 2.3	W=	.012514 / 6.9	T=	1.168 / 4.3		
LAT=	48.0	U=	3.229 / 12.0	V=	3.312 / 2.8	W=	.012970 / 7.0	T=	1.202 / 4.4		
LAT=	54.0	U=	4.797 / .1	V=	5.136 / 3.0	W=	.011072 / 7.2	T=	1.018 / 4.5		
LAT=	60.0	U=	5.666 / .1	V=	5.979 / 3.1	W=	.008056 / 7.4	T=	.738 / 4.7		
LAT=	66.0	U=	5.672 / .1	V=	5.826 / 3.1	W=	.005106 / 7.6	T=	.464 / 4.9		
LAT=	72.0	U=	4.868 / .2	V=	4.887 / 3.2	W=	.002691 / 7.8	T=	.243 / 5.1		
LAT=	78.0	U=	3.735 / .3	V=	3.432 / 3.3	W=	.002377 / 7.7	T=	.214 / 5.1		
LAT=	84.0	U=	1.752 / .3	V=	1.605 / 3.2	W=	.000516 / 7.3	T=	.044 / 4.6		
Z = 107.177 KM											
LAT=	0.0	U=	.001 / 3.7	V=	2.807 / 1.0	W=	.000001 / 10.2	T=	0.000 / 7.3		
LAT=	6.0	U=	.166 / 4.5	V=	2.124 / 1.0	W=	.006073 / 10.8	T=	.735 / 8.0		
LAT=	12.0	U=	.470 / 4.2	V=	.393 / 1.0	W=	.009359 / 10.8	T=	1.141 / 8.0		
LAT=	18.0	U=	.900 / 4.0	V=	1.580 / 7.0	W=	.008414 / 10.8	T=	1.043 / 8.0		
LAT=	24.0	U=	1.238 / 3.9	V=	2.900 / 7.1	W=	.003742 / 10.8	T=	.497 / 7.9		
LAT=	30.0	U=	1.167 / 3.7	V=	2.900 / 7.1	W=	.002635 / 5.0	T=	.275 / 2.6		
LAT=	36.0	U=	.539 / 2.8	V=	1.774 / 7.2	W=	.008280 / 5.1	T=	.958 / 2.4		
LAT=	42.0	U=	.994 / 11.0	V=	.297 / .5	W=	.011491 / 5.2	T=	1.361 / 2.5		
LAT=	48.0	U=	2.539 / 10.5	V=	2.480 / 1.2	W=	.011835 / 5.3	T=	1.421 / 2.6		
LAT=	54.0	U=	3.945 / 10.5	V=	4.205 / 1.3	W=	.009999 / 5.4	T=	1.212 / 2.7		
LAT=	60.0	U=	4.805 / 10.5	V=	5.093 / 1.4	W=	.007183 / 5.6	T=	.879 / 2.9		
LAT=	66.0	U=	4.913 / 10.5	V=	5.085 / 1.5	W=	.004465 / 5.8	T=	.549 / 3.1		
LAT=	72.0	U=	4.259 / 10.6	V=	4.337 / 1.6	W=	.002176 / 6.1	T=	.267 / 3.3		
LAT=	78.0	U=	3.440 / 10.7	V=	3.071 / 1.7	W=	.002288 / 6.0	T=	.286 / 3.3		
LAT=	84.0	U=	1.585 / 10.7	V=	1.385 / 1.7	W=	.000565 / 5.8	T=	.070 / 3.0		
Z = 111.019 KM											
LAT=	0.0	U=	.001 / 1.6	V=	2.668 / 11.1	W=	.000001 / 8.6	T=	0.000 / 5.4		
LAT=	6.0	U=	.171 / 2.6	V=	2.000 / 11.1	W=	.005412 / 9.0	T=	.852 / 6.0		
LAT=	12.0	U=	.442 / 2.3	V=	.555 / 10.9	W=	.008405 / 9.0	T=	1.339 / 6.0		
LAT=	18.0	U=	.814 / 2.1	V=	1.176 / 5.4	W=	.007714 / 9.0	T=	1.266 / 6.0		
LAT=	24.0	U=	1.131 / 1.9	V=	2.416 / 5.4	W=	.003772 / 8.7	T=	.693 / 5.8		
LAT=	30.0	U=	1.162 / 1.6	V=	2.645 / 5.4	W=	.002172 / 4.1	T=	.201 / 2.0		
LAT=	36.0	U=	.812 / .8	V=	1.767 / 5.4	W=	.007051 / 3.6	T=	.971 / .8		
LAT=	42.0	U=	.822 / 10.3	V=	.223 / 4.4	W=	.009996 / 3.6	T=	1.439 / .8		
LAT=	48.0	U=	1.853 / 9.3	V=	1.621 / 11.8	W=	.010450 / 3.6	T=	1.536 / .8		
LAT=	54.0	U=	2.949 / 9.0	V=	3.079 / 11.8	W=	.008942 / 3.8	T=	1.332 / .9		
LAT=	60.0	U=	3.674 / 9.0	V=	3.882 / 11.9	W=	.006522 / 3.9	T=	.982 / 1.1		
LAT=	66.0	U=	3.808 / 9.0	V=	3.958 / 12.0	W=	.004100 / 4.1	T=	.621 / 1.3		
LAT=	72.0	U=	3.323 / 9.1	V=	3.415 / .1	W=	.001988 / 4.2	T=	.302 / 1.4		
LAT=	78.0	U=	2.813 / 9.2	V=	2.425 / .2	W=	.002260 / 4.1	T=	.350 / 1.3		
LAT=	84.0	U=	1.268 / 9.2	V=	1.038 / .2	W=	.000540 / 3.9	T=	.084 / 1.1		

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 1400 K

Z = 115.091 KM

LAT = 0.0	U = .001 / 11.8	V = 2.380 / 9.6	W = .000001 / 6.8	T = 0.000 / 3.5
LAT = 6.0	U = .165 / 1.0	V = 1.922 / 9.6	W = .004957 / 7.3	T = .895 / 4.2
LAT = 12.0	U = .392 / .7	V = .748 / 9.4	W = .007817 / 7.3	T = 1.429 / 4.1
LAT = 18.0	U = .685 / .5	V = .643 / 4.1	W = .007463 / 7.2	T = 1.408 / 4.0
LAT = 24.0	U = .952 / .2	V = 1.767 / 3.9	W = .004296 / 6.8	T = .893 / 3.7
LAT = 30.0	U = 1.050 / 11.9	V = 2.112 / 3.8	W = .002229 / 3.7	T = .375 / 1.5
LAT = 36.0	U = .905 / 11.3	V = 1.631 / 3.8	W = .006019 / 2.3	T = .891 / 11.4
LAT = 42.0	U = .806 / 9.7	V = .579 / 3.2	W = .008798 / 2.2	T = 1.374 / 11.2
LAT = 48.0	U = 1.295 / 8.4	V = .873 / 10.9	W = .009461 / 2.2	T = 1.517 / 11.2
LAT = 54.0	U = 2.021 / 7.9	V = 1.988 / 10.6	W = .008315 / 2.2	T = 1.355 / 11.3
LAT = 60.0	U = 2.573 / 7.7	V = 2.679 / 10.6	W = .006252 / 2.3	T = 1.032 / 11.4
LAT = 66.0	U = 2.729 / 7.7	V = 2.835 / 10.7	W = .004039 / 2.5	T = .674 / 11.6
LAT = 72.0	U = 2.427 / 7.7	V = 2.507 / 10.7	W = .002024 / 2.6	T = .342 / 11.7
LAT = 78.0	U = 2.162 / 7.8	V = 1.807 / 10.8	W = .002367 / 2.5	T = .401 / 11.4
LAT = 84.0	U = .955 / 7.8	V = .750 / 11.0	W = .000595 / 2.1	T = .097 / 11.0

Z = 110.451 KM

LAT = 0.0	U = .001 / 10.3	V = 2.093 / 8.2	W = .000001 / 4.9	T = 0.000 / 1.8
LAT = 6.0	U = .157 / 11.6	V = 1.742 / 8.2	W = .004992 / 5.8	T = .895 / 2.6
LAT = 12.0	U = .347 / 11.3	V = .831 / 8.1	W = .008040 / 5.8	T = 1.456 / 2.5
LAT = 18.0	U = .575 / 11.0	V = .318 / 3.0	W = .008072 / 5.7	T = 1.502 / 2.4
LAT = 24.0	U = .792 / 10.8	V = 1.225 / 2.5	W = .005436 / 5.2	T = 1.079 / 2.1
LAT = 30.0	U = .908 / 10.5	V = 1.623 / 2.5	W = .002935 / 3.3	T = .564 / .7
LAT = 36.0	U = .867 / 10.0	V = 1.408 / 2.4	W = .005404 / 1.4	T = .786 / 10.5
LAT = 42.0	U = .763 / 9.0	V = .726 / 2.0	W = .008126 / 1.0	T = 1.224 / 9.9
LAT = 48.0	U = .932 / 7.7	V = .427 / 10.5	W = .009044 / .9	T = 1.336 / 9.8
LAT = 54.0	U = 1.358 / 6.9	V = 1.206 / 9.6	W = .008203 / 1.0	T = 1.289 / 9.9
LAT = 60.0	U = 1.755 / 6.7	V = 1.781 / 9.5	W = .006378 / 1.0	T = 1.017 / 10.0
LAT = 66.0	U = 1.915 / 6.6	V = 1.960 / 9.5	W = .004245 / 1.2	T = .688 / 10.1
LAT = 72.0	U = 1.748 / 6.6	V = 1.810 / 9.6	W = .002206 / 1.3	T = .363 / 10.2
LAT = 78.0	U = 1.643 / 6.6	V = 1.342 / 9.7	W = .002481 / 1.0	T = .401 / 9.8
LAT = 84.0	U = .715 / 6.7	V = .564 / 10.1	W = .000645 / .5	T = .097 / 9.2

Z = 124.175 KM

LAT = 0.0	U = .001 / 9.1	V = 1.831 / 7.1	W = .000001 / 3.3	T = 0.000 / .7
LAT = 6.0	U = .146 / 10.5	V = 1.516 / 7.1	W = .005323 / 4.6	T = .849 / 1.3
LAT = 12.0	U = .308 / 10.2	V = .834 / 7.0	W = .008764 / 4.6	T = 1.411 / 1.3
LAT = 18.0	U = .493 / 9.8	V = .086 / 2.2	W = .009234 / 4.4	T = 1.518 / 1.2
LAT = 24.0	U = .676 / 9.5	V = .653 / 1.3	W = .006962 / 4.1	T = 1.200 / .9
LAT = 30.0	U = .792 / 9.2	V = 1.252 / 1.3	W = .004045 / 2.8	T = .725 / 11.9
LAT = 36.0	U = .791 / 8.8	V = 1.167 / 1.2	W = .005030 / .8	T = .687 / 10.0
LAT = 42.0	U = .703 / 8.1	V = .743 / 1.0	W = .007693 / .1	T = 1.021 / 9.1
LAT = 48.0	U = .715 / 7.0	V = .301 / 10.8	W = .008949 / 11.9	T = 1.212 / 8.8
LAT = 54.0	U = .941 / 6.1	V = .734 / 8.7	W = .008453 / 11.9	T = 1.165 / 8.8
LAT = 60.0	U = 1.223 / 5.8	V = 1.194 / 8.5	W = .006843 / 11.9	T = .958 / 8.8
LAT = 66.0	U = 1.368 / 5.6	V = 1.400 / 8.5	W = .004734 / .1	T = .674 / 8.9
LAT = 72.0	U = 1.279 / 5.6	V = 1.328 / 8.6	W = .002540 / .1	T = .367 / 9.0
LAT = 78.0	U = 1.252 / 5.5	V = 1.021 / 8.8	W = .002711 / 11.7	T = .374 / 8.4
LAT = 84.0	U = .543 / 5.7	V = .457 / 9.3	W = .000670 / 11.1	T = .083 / 7.8

Z = 129.367 KM

LAT = 0.0	U = .001 / 8.3	V = 1.604 / 6.0	W = .000002 / 2.2	T = 0.000 / 11.9
LAT = 6.0	U = .134 / 9.5	V = 1.352 / 6.0	W = .005710 / 3.6	T = .771 / .4
LAT = 12.0	U = .275 / 9.2	V = .793 / 6.1	W = .009580 / 3.6	T = 1.305 / .3
LAT = 18.0	U = .434 / 8.8	V = .044 / 6.6	W = .010489 / 3.5	T = 1.457 / .2
LAT = 24.0	U = .597 / 8.4	V = .619 / .1	W = .008523 / 3.2	T = 1.237 / 11.9
LAT = 30.0	U = .710 / 8.1	V = .998 / .1	W = .005300 / 2.3	T = .823 / 11.3
LAT = 36.0	U = .723 / 7.8	V = 1.011 / .1	W = .004805 / .4	T = .619 / 9.7
LAT = 42.0	U = .645 / 7.3	V = .715 / 11.9	W = .007244 / 11.4	T = .821 / 8.5
LAT = 48.0	U = .599 / 6.4	V = .326 / 10.7	W = .008869 / 11.1	T = 1.012 / 8.0
LAT = 54.0	U = .688 / 5.4	V = .467 / 8.1	W = .008786 / 11.0	T = 1.022 / 7.9
LAT = 60.0	U = .880 / 4.9	V = .818 / 7.7	W = .007441 / 11.1	T = .882 / 7.9
LAT = 66.0	U = 1.001 / 4.7	V = 1.009 / 7.6	W = .005377 / 11.2	T = .647 / 8.0
LAT = 72.0	U = .950 / 4.6	V = .992 / 7.7	W = .002977 / 11.2	T = .360 / 7.9
LAT = 78.0	U = .950 / 4.5	V = .753 / 7.9	W = .003096 / 10.5	T = .351 / 7.2
LAT = 84.0	U = .416 / 4.7	V = .393 / 8.5	W = .000689 / 9.8	T = .068 / 6.5

Table B4. Amplitude and Phase for the (2, 5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1400$ K									
Z = 135. KM									
LAT= 0.0	U=	.001 / 7.7	V=	1.422 / 5.1	W=	.000002 / 1.5	T=	0.000 / 11.4	
LAT= 6.0	U=	.122 / 8.6	V=	1.235 / 5.1	W=	.005981 / 2.8	T=	.681 / 11.5	
LAT= 12.0	U=	.249 / 8.2	V=	.740 / 5.2	W=	.010190 / 2.7	T=	1.173 / 11.5	
LAT= 18.0	U=	.394 / 7.8	V=	.112 / 6.0	W=	.011485 / 2.6	T=	1.352 / 11.4	
LAT= 24.0	U=	.547 / 7.4	V=	.484 / 10.9	W=	.009821 / 2.4	T=	1.210 / 11.2	
LAT= 30.0	U=	.659 / 7.2	V=	.837 / 11.0	W=	.006471 / 1.8	T=	.865 / 10.7	
LAT= 36.0	U=	.681 / 6.9	V=	.895 / 11.0	W=	.004719 / .1	T=	.588 / 9.5	
LAT= 42.0	U=	.612 / 6.4	V=	.643 / 10.8	W=	.006639 / 10.8	T=	.656 / 8.1	
LAT= 48.0	U=	.532 / 5.7	V=	.379 / 10.1	W=	.008556 / 10.4	T=	.831 / 7.4	
LAT= 54.0	U=	.554 / 4.7	V=	.331 / 7.8	W=	.008901 / 10.3	T=	.883 / 7.2	
LAT= 60.0	U=	.676 / 4.1	V=	.579 / 6.9	W=	.007879 / 10.3	T=	.798 / 7.2	
LAT= 66.0	U=	.765 / 3.8	V=	.748 / 6.8	W=	.005935 / 10.4	T=	.610 / 7.2	
LAT= 72.0	U=	.724 / 3.7	V=	.763 / 6.8	W=	.003388 / 10.4	T=	.348 / 7.1	
LAT= 78.0	U=	.728 / 3.5	V=	.633 / 6.9	W=	.003477 / 9.6	T=	.336 / 6.3	
LAT= 84.0	U=	.327 / 3.8	V=	.349 / 7.6	W=	.000680 / 8.7	T=	.056 / 5.5	
Z = 141.772 KM									
LAT= 0.0	U=	.001 / 7.4	V=	1.278 / 4.2	W=	.000003 / 1.1	T=	0.000 / 11.0	
LAT= 6.0	U=	.111 / 7.7	V=	1.118 / 4.2	W=	.006107 / 2.0	T=	.596 / 10.7	
LAT= 12.0	U=	.229 / 7.4	V=	.641 / 4.3	W=	.010523 / 1.9	T=	1.042 / 10.7	
LAT= 18.0	U=	.369 / 7.0	V=	.147 / 5.1	W=	.012117 / 1.9	T=	1.234 / 10.6	
LAT= 24.0	U=	.516 / 6.6	V=	.400 / 9.8	W=	.010750 / 1.7	T=	1.151 / 10.5	
LAT= 30.0	U=	.627 / 6.3	V=	.734 / 10.0	W=	.007434 / 1.2	T=	.869 / 10.1	
LAT= 36.0	U=	.659 / 6.0	V=	.824 / 10.0	W=	.004793 / 11.9	T=	.575 / 9.2	
LAT= 42.0	U=	.609 / 5.6	V=	.667 / 9.9	W=	.005898 / 10.4	T=	.533 / 7.7	
LAT= 48.0	U=	.529 / 5.0	V=	.427 / 9.4	W=	.007924 / 9.8	T=	.673 / 6.9	
LAT= 54.0	U=	.506 / 4.1	V=	.281 / 7.6	W=	.008622 / 9.7	T=	.750 / 6.6	
LAT= 60.0	U=	.575 / 3.4	V=	.429 / 6.3	W=	.007934 / 9.7	T=	.710 / 6.5	
LAT= 66.0	U=	.629 / 3.0	V=	.580 / 5.9	W=	.006187 / 9.8	T=	.563 / 6.5	
LAT= 72.0	U=	.581 / 2.8	V=	.617 / 5.9	W=	.003630 / 9.7	T=	.328 / 6.3	
LAT= 78.0	U=	.591 / 2.4	V=	.534 / 6.0	W=	.003649 / 8.9	T=	.316 / 5.4	
LAT= 84.0	U=	.271 / 2.9	V=	.319 / 6.6	W=	.000629 / 7.9	T=	.047 / 4.7	
Z = 149.425 KM									
LAT= 0.0	U=	0.000 / 7.0	V=	1.156 / 3.3	W=	.000003 / .8	T=	0.000 / 10.6	
LAT= 6.0	U=	.101 / 6.9	V=	1.018 / 3.3	W=	.006152 / 1.2	T=	.524 / 9.9	
LAT= 12.0	U=	.214 / 6.6	V=	.648 / 3.4	W=	.010684 / 1.2	T=	.926 / 9.9	
LAT= 18.0	U=	.346 / 6.2	V=	.171 / 4.2	W=	.012501 / 1.1	T=	1.117 / 9.9	
LAT= 24.0	U=	.484 / 5.9	V=	.331 / 8.8	W=	.011403 / 1.0	T=	1.075 / 9.8	
LAT= 30.0	U=	.591 / 5.6	V=	.651 / 9.0	W=	.008224 / .7	T=	.848 / 9.5	
LAT= 36.0	U=	.635 / 5.3	V=	.764 / 9.1	W=	.005049 / 11.6	T=	.567 / 8.8	
LAT= 42.0	U=	.608 / 4.9	V=	.677 / 9.0	W=	.005145 / 10.0	T=	.445 / 7.5	
LAT= 48.0	U=	.544 / 4.4	V=	.464 / 8.6	W=	.007050 / 9.3	T=	.535 / 6.4	
LAT= 54.0	U=	.498 / 3.6	V=	.280 / 7.4	W=	.007982 / 9.0	T=	.618 / 6.0	
LAT= 60.0	U=	.518 / 2.8	V=	.331 / 5.8	W=	.007587 / 9.1	T=	.608 / 5.8	
LAT= 66.0	U=	.539 / 2.4	V=	.464 / 5.2	W=	.006079 / 9.1	T=	.497 / 5.8	
LAT= 72.0	U=	.482 / 2.0	V=	.518 / 5.1	W=	.003643 / 9.0	T=	.297 / 5.6	
LAT= 78.0	U=	.502 / 1.5	V=	.470 / 5.1	W=	.003538 / 8.1	T=	.281 / 4.7	
LAT= 84.0	U=	.237 / 2.0	V=	.299 / 5.6	W=	.000549 / 7.1	T=	.040 / 4.0	
Z = 158.420 KM									
LAT= 0.0	U=	0.000 / 6.5	V=	1.044 / 2.5	W=	.000004 / .6	T=	0.000 / 10.3	
LAT= 6.0	U=	.093 / 6.0	V=	.925 / 2.5	W=	.006176 / .4	T=	.465 / 9.1	
LAT= 12.0	U=	.196 / 5.8	V=	.605 / 2.6	W=	.010800 / .4	T=	.827 / 9.1	
LAT= 18.0	U=	.315 / 5.5	V=	.185 / 3.2	W=	.012804 / .4	T=	1.012 / 9.1	
LAT= 24.0	U=	.437 / 5.2	V=	.248 / 7.8	W=	.011960 / .3	T=	.997 / 9.0	
LAT= 30.0	U=	.536 / 5.0	V=	.569 / 8.2	W=	.008962 / .1	T=	.813 / 8.8	
LAT= 36.0	U=	.586 / 4.7	V=	.700 / 8.2	W=	.005496 / 11.3	T=	.556 / 8.4	
LAT= 42.0	U=	.578 / 4.3	V=	.652 / 8.2	W=	.004526 / 9.7	T=	.385 / 7.2	
LAT= 48.0	U=	.528 / 3.8	V=	.483 / 7.9	W=	.006104 / 8.7	T=	.412 / 6.0	
LAT= 54.0	U=	.467 / 3.1	V=	.297 / 7.1	W=	.007186 / 8.4	T=	.485 / 5.4	
LAT= 60.0	U=	.451 / 2.4	V=	.269 / 5.5	W=	.007047 / 8.3	T=	.493 / 5.2	
LAT= 66.0	U=	.444 / 1.8	V=	.368 / 4.6	W=	.005777 / 8.4	T=	.415 / 5.1	
LAT= 72.0	U=	.386 / 1.4	V=	.429 / 4.3	W=	.003505 / 8.2	T=	.252 / 4.8	
LAT= 78.0	U=	.411 / .7	V=	.408 / 4.3	W=	.003276 / 7.3	T=	.234 / 4.0	
LAT= 84.0	U=	.205 / 1.2	V=	.280 / 4.8	W=	.000455 / 6.5	T=	.032 / 3.4	

Table B4. Amplitude and Phase for the (2,5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

$T_0 = 1400$ K										
Z = 181.310 KM										
LAT= 0.0	U=	.001 / 5.7	V=	.849 / .9	W=	.000006 / 12.0	T=	0.000 / 9.8		
LAT= 6.0	U=	.080 / 4.2	V=	.762 / .9	W=	.006271 / 11.0	T=	.372 / 7.6		
LAT= 12.0	U=	.163 / 4.1	V=	.523 / 1.0	W=	.011115 / 11.0	T=	.658 / 7.6		
LAT= 18.0	U=	.252 / 4.0	V=	.197 / 1.3	W=	.013524 / 11.0	T=	.834 / 7.7		
LAT= 24.0	U=	.342 / 3.8	V=	.155 / 6.2	W=	.013187 / 10.9	T=	.848 / 7.7		
LAT= 30.0	U=	.416 / 3.6	V=	.415 / 6.6	W=	.010587 / 10.8	T=	.730 / 7.6		
LAT= 36.0	U=	.457 / 3.4	V=	.558 / 6.7	W=	.006832 / 10.4	T=	.530 / 7.4		
LAT= 42.0	U=	.462 / 3.2	V=	.569 / 6.7	W=	.004000 / 9.2	T=	.330 / 6.8		
LAT= 48.0	U=	.427 / 2.8	V=	.472 / 6.5	W=	.004398 / 7.6	T=	.229 / 5.5		
LAT= 54.0	U=	.359 / 2.3	V=	.324 / 6.1	W=	.005751 / 7.0	T=	.248 / 4.3		
LAT= 60.0	U=	.306 / 1.5	V=	.214 / 5.1	W=	.006133 / 6.8	T=	.276 / 3.8		
LAT= 66.0	U=	.271 / .7	V=	.215 / 3.7	W=	.005302 / 6.8	T=	.249 / 3.6		
LAT= 72.0	U=	.221 / .1	V=	.256 / 3.1	W=	.003252 / 6.6	T=	.155 / 3.3		
LAT= 78.0	U=	.233 / 11.2	V=	.260 / 3.0	W=	.003002 / 5.6	T=	.138 / 2.2		
LAT= 84.0	U=	.131 / 11.9	V=	.216 / 3.5	W=	.000285 / 5.2	T=	.019 / 2.4		
Z = 209.865 KM										
LAT= 0.0	U=	.001 / 5.0	V=	.723 / 11.5	W=	.000006 / 11.4	T=	0.000 / 9.6		
LAT= 6.0	U=	.066 / 2.7	V=	.658 / 11.5	W=	.006590 / 9.6	T=	.306 / 6.4		
LAT= 12.0	U=	.134 / 2.7	V=	.475 / 11.5	W=	.011772 / 9.7	T=	.555 / 6.5		
LAT= 18.0	U=	.205 / 2.6	V=	.220 / 11.7	W=	.014539 / 9.7	T=	.705 / 6.6		
LAT= 24.0	U=	.272 / 2.4	V=	.054 / 4.7	W=	.014526 / 9.7	T=	.736 / 6.6		
LAT= 30.0	U=	.324 / 2.3	V=	.277 / 5.4	W=	.012073 / 9.7	T=	.658 / 6.6		
LAT= 36.0	U=	.351 / 2.2	V=	.420 / 5.5	W=	.008150 / 9.6	T=	.502 / 6.6		
LAT= 42.0	U=	.351 / 2.1	V=	.463 / 5.4	W=	.004192 / 8.9	T=	.315 / 6.4		
LAT= 48.0	U=	.328 / 1.8	V=	.416 / 5.4	W=	.002932 / 6.8	T=	.153 / 5.8		
LAT= 54.0	U=	.272 / 1.4	V=	.312 / 5.1	W=	.004499 / 5.6	T=	.095 / 3.6		
LAT= 60.0	U=	.219 / .7	V=	.199 / 4.5	W=	.005371 / 5.4	T=	.135 / 2.5		
LAT= 66.0	U=	.177 / 11.8	V=	.140 / 3.3	W=	.004955 / 5.3	T=	.146 / 2.1		
LAT= 72.0	U=	.128 / 11.0	V=	.142 / 2.3	W=	.003142 / 5.0	T=	.096 / 1.6		
LAT= 78.0	U=	.132 / 9.7	V=	.147 / 1.9	W=	.002991 / 4.0	T=	.095 / .5		
LAT= 84.0	U=	.074 / 10.9	V=	.137 / 2.6	W=	.000274 / 3.7	T=	.010 / 1.0		
Z = 240.988 KM										
LAT= 0.0	U=	0.000 / 4.6	V=	.668 / 10.4	W=	.000007 / 10.6	T=	0.000 / 9.6		
LAT= 6.0	U=	.052 / 1.4	V=	.615 / 10.4	W=	.007221 / 8.6	T=	.275 / 5.7		
LAT= 12.0	U=	.106 / 1.4	V=	.466 / 10.4	W=	.012854 / 8.7	T=	.499 / 5.7		
LAT= 18.0	U=	.164 / 1.3	V=	.256 / 10.5	W=	.015823 / 8.7	T=	.640 / 5.9		
LAT= 24.0	U=	.218 / 1.3	V=	.037 / 11.7	W=	.015805 / 8.8	T=	.678 / 6.0		
LAT= 30.0	U=	.259 / 1.2	V=	.171 / 4.2	W=	.013197 / 8.8	T=	.617 / 6.1		
LAT= 36.0	U=	.277 / 1.2	V=	.307 / 4.3	W=	.008991 / 8.8	T=	.483 / 6.2		
LAT= 42.0	U=	.275 / 1.1	V=	.368 / 4.4	W=	.004423 / 8.5	T=	.313 / 6.2		
LAT= 48.0	U=	.258 / 1.0	V=	.353 / 4.4	W=	.001736 / 6.2	T=	.150 / 6.2		
LAT= 54.0	U=	.217 / .7	V=	.282 / 4.2	W=	.003685 / 4.3	T=	.017 / 4.9		
LAT= 60.0	U=	.173 / .1	V=	.190 / 3.9	W=	.004959 / 4.1	T=	.070 / .9		
LAT= 66.0	U=	.125 / 11.2	V=	.113 / 3.1	W=	.004844 / 4.0	T=	.102 / .7		
LAT= 72.0	U=	.076 / 10.4	V=	.082 / 1.9	W=	.003227 / 3.7	T=	.078 / .2		
LAT= 78.0	U=	.073 / 8.4	V=	.078 / 1.3	W=	.003041 / 2.7	T=	.082 / 11.3		
LAT= 84.0	U=	.039 / 10.2	V=	.083 / 2.0	W=	.000364 / 2.9	T=	.010 / 11.4		
Z = 272.801 KM										
LAT= 0.0	U=	0.000 / 4.2	V=	.664 / 9.5	W=	.000008 / 10.0	T=	0.000 / 9.8		
LAT= 6.0	U=	.043 / .2	V=	.616 / 9.5	W=	.007972 / 8.0	T=	.264 / 5.2		
LAT= 12.0	U=	.090 / .2	V=	.481 / 9.6	W=	.014082 / 8.0	T=	.481 / 5.3		
LAT= 18.0	U=	.137 / .3	V=	.289 / 9.8	W=	.017164 / 8.1	T=	.617 / 5.4		
LAT= 24.0	U=	.185 / .3	V=	.091 / 10.7	W=	.016997 / 8.2	T=	.654 / 5.6		
LAT= 30.0	U=	.221 / .3	V=	.120 / 2.8	W=	.014102 / 8.2	T=	.599 / 5.7		
LAT= 36.0	U=	.239 / .3	V=	.247 / 3.3	W=	.009545 / 8.3	T=	.476 / 5.9		
LAT= 42.0	U=	.236 / .3	V=	.312 / 3.5	W=	.004534 / 8.2	T=	.318 / 6.1		
LAT= 48.0	U=	.220 / .3	V=	.315 / 3.5	W=	.000965 / 5.4	T=	.162 / 6.4		
LAT= 54.0	U=	.185 / .1	V=	.264 / 3.5	W=	.003704 / 3.2	T=	.043 / 7.9		
LAT= 60.0	U=	.144 / 11.7	V=	.184 / 3.3	W=	.005274 / 3.1	T=	.060 / 11.2		
LAT= 66.0	U=	.092 / 11.0	V=	.105 / 3.0	W=	.005256 / 3.0	T=	.093 / 11.7		
LAT= 72.0	U=	.041 / 10.2	V=	.052 / 2.2	W=	.003576 / 2.8	T=	.078 / 11.3		
LAT= 78.0	U=	.038 / 6.8	V=	.035 / 1.2	W=	.003287 / 1.8	T=	.081 / 10.5		
LAT= 84.0	U=	.017 / 9.8	V=	.050 / 1.7	W=	.000424 / 2.4	T=	.011 / 10.7		

Table B4. Amplitude and Phase for the (2,5) Hough Mode Extension of Westerly, Northerly, and Vertical Winds, and of Temperature, at Altitudes From 100 to 400 km, at 6° Latitude Increments, $T_0 = 600, 800, 1000, 1200,$ and 1400 K (contd)

T₀ = 1400 K

Z = 304.762 KM

LAT= 0.0	U= 0.000 / 3.8	V= .688 / 9.0	W= .000009 / 9.6	T= 0.000 / 9.7
LAT= 6.0	U= .042 / 11.3	V= .639 / 9.0	W= .008587 / 7.5	T= .262 / 4.9
LAT= 12.0	U= .085 / 11.3	V= .504 / 9.1	W= .015087 / 7.6	T= .477 / 5.0
LAT= 18.0	U= .131 / 11.4	V= .316 / 9.4	W= .018261 / 7.7	T= .611 / 5.2
LAT= 24.0	U= .175 / 11.5	V= .127 / 10.3	W= .017967 / 7.8	T= .649 / 5.4
LAT= 30.0	U= .212 / 11.6	V= .118 / 1.6	W= .014822 / 7.8	T= .596 / 5.6
LAT= 36.0	U= .229 / 11.6	V= .233 / 2.5	W= .009941 / 7.9	T= .476 / 5.7
LAT= 42.0	U= .225 / 11.7	V= .298 / 2.8	W= .004556 / 7.9	T= .322 / 6.0
LAT= 48.0	U= .206 / 11.8	V= .305 / 2.9	W= .000710 / 4.1	T= .173 / 6.4
LAT= 54.0	U= .171 / 11.8	V= .260 / 2.9	W= .004192 / 2.5	T= .069 / 8.0
LAT= 60.0	U= .130 / 11.5	V= .185 / 2.9	W= .005950 / 2.5	T= .071 / 10.3
LAT= 66.0	U= .072 / 11.0	V= .104 / 2.9	W= .005901 / 2.5	T= .096 / 11.0
LAT= 72.0	U= .021 / 11.0	V= .043 / 2.8	W= .003988 / 2.2	T= .081 / 10.8
LAT= 78.0	U= .035 / 4.6	V= .013 / 2.5	W= .003610 / 1.2	T= .081 / 10.1
LAT= 84.0	U= .004 / 11.2	V= .032 / 1.6	W= .000454 / 2.0	T= .012 / 10.4

Z = 336.754 KM

LAT= 0.0	U= 0.000 / 3.6	V= .718 / 8.6	W= .000010 / 9.3	T= 0.000 / 9.7
LAT= 6.0	U= .044 / 10.6	V= .667 / 8.6	W= .008936 / 7.3	T= .265 / 4.8
LAT= 12.0	U= .090 / 10.7	V= .528 / 8.8	W= .015662 / 7.3	T= .482 / 4.9
LAT= 18.0	U= .135 / 10.8	V= .337 / 9.1	W= .018899 / 7.4	T= .616 / 5.1
LAT= 24.0	U= .179 / 11.0	V= .152 / 10.1	W= .018535 / 7.5	T= .652 / 5.3
LAT= 30.0	U= .216 / 11.1	V= .134 / .9	W= .015230 / 7.6	T= .600 / 5.5
LAT= 36.0	U= .235 / 11.2	V= .240 / 1.9	W= .010116 / 7.6	T= .481 / 5.7
LAT= 42.0	U= .228 / 11.3	V= .306 / 2.3	W= .004466 / 7.6	T= .328 / 5.9
LAT= 48.0	U= .205 / 11.5	V= .312 / 2.5	W= .000916 / 3.2	T= .181 / 6.4
LAT= 54.0	U= .167 / 11.5	V= .268 / 2.6	W= .004735 / 2.2	T= .083 / 8.0
LAT= 60.0	U= .123 / 11.4	V= .190 / 2.6	W= .006605 / 2.2	T= .081 / 9.9
LAT= 66.0	U= .062 / 11.1	V= .106 / 2.8	W= .006478 / 2.2	T= .101 / 10.7
LAT= 72.0	U= .019 / .6	V= .045 / 3.4	W= .004305 / 1.9	T= .085 / 10.6
LAT= 78.0	U= .051 / 3.5	V= .020 / 4.5	W= .003860 / .9	T= .083 / 9.9
LAT= 84.0	U= .009 / 2.1	V= .022 / 1.7	W= .000470 / 1.7	T= .013 / 10.2

Z = 368.753 KM

LAT= 0.0	U= 0.000 / 3.4	V= .744 / 8.4	W= .000011 / 9.1	T= 0.000 / 9.7
LAT= 6.0	U= .048 / 10.3	V= .692 / 8.4	W= .008994 / 7.1	T= .269 / 4.7
LAT= 12.0	U= .096 / 10.4	V= .549 / 8.6	W= .015752 / 7.1	T= .488 / 4.8
LAT= 18.0	U= .144 / 10.5	V= .354 / 8.9	W= .018963 / 7.2	T= .623 / 5.0
LAT= 24.0	U= .189 / 10.7	V= .169 / 10.0	W= .018583 / 7.3	T= .661 / 5.2
LAT= 30.0	U= .226 / 10.8	V= .150 / .6	W= .015210 / 7.4	T= .608 / 5.4
LAT= 36.0	U= .246 / 11.0	V= .254 / 1.6	W= .009993 / 7.4	T= .488 / 5.6
LAT= 42.0	U= .237 / 11.1	V= .319 / 2.0	W= .004247 / 7.3	T= .334 / 5.9
LAT= 48.0	U= .210 / 11.3	V= .326 / 2.2	W= .001326 / 3.0	T= .187 / 6.5
LAT= 54.0	U= .168 / 11.4	V= .279 / 2.4	W= .005184 / 2.1	T= .092 / 8.0
LAT= 60.0	U= .122 / 11.4	V= .197 / 2.5	W= .007078 / 2.1	T= .089 / 9.8
LAT= 66.0	U= .058 / 11.3	V= .109 / 2.8	W= .006862 / 2.0	T= .105 / 10.6
LAT= 72.0	U= .025 / 1.3	V= .050 / 3.6	W= .004476 / 1.8	T= .089 / 10.4
LAT= 78.0	U= .064 / 3.1	V= .029 / 4.8	W= .003984 / .7	T= .085 / 9.8
LAT= 84.0	U= .014 / 2.3	V= .018 / 1.8	W= .000470 / 1.5	T= .013 / 10.1

Z = 400.753 KM

LAT= 0.0	U= 0.000 / 3.3	V= .765 / 8.3	W= .000012 / 8.9	T= 0.000 / 9.7
LAT= 6.0	U= .051 / 10.1	V= .712 / 8.3	W= .008788 / 7.0	T= .274 / 4.7
LAT= 12.0	U= .102 / 10.2	V= .567 / 8.5	W= .015381 / 7.0	T= .497 / 4.8
LAT= 18.0	U= .152 / 10.3	V= .368 / 8.9	W= .018509 / 7.1	T= .635 / 5.0
LAT= 24.0	U= .198 / 10.5	V= .181 / 9.9	W= .018078 / 7.2	T= .673 / 5.2
LAT= 30.0	U= .237 / 10.7	V= .162 / .4	W= .014729 / 7.2	T= .619 / 5.4
LAT= 36.0	U= .256 / 10.8	V= .266 / 1.5	W= .009561 / 7.2	T= .497 / 5.6
LAT= 42.0	U= .246 / 11.0	V= .332 / 1.9	W= .003934 / 7.0	T= .341 / 5.9
LAT= 48.0	U= .217 / 11.2	V= .338 / 2.1	W= .001846 / 3.0	T= .192 / 6.5
LAT= 54.0	U= .173 / 11.4	V= .289 / 2.2	W= .005518 / 2.1	T= .097 / 8.0
LAT= 60.0	U= .124 / 11.4	V= .204 / 2.4	W= .007342 / 2.0	T= .092 / 9.7
LAT= 66.0	U= .058 / 11.4	V= .112 / 2.8	W= .007025 / 2.0	T= .109 / 10.5
LAT= 72.0	U= .031 / 1.5	V= .053 / 3.8	W= .004508 / 1.7	T= .091 / 10.4
LAT= 78.0	U= .074 / 2.9	V= .035 / 4.9	W= .003983 / .6	T= .086 / 9.7
LAT= 84.0	U= .018 / 2.3	V= .017 / 1.9	W= .000455 / 1.4	T= .014 / 10.1

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